



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

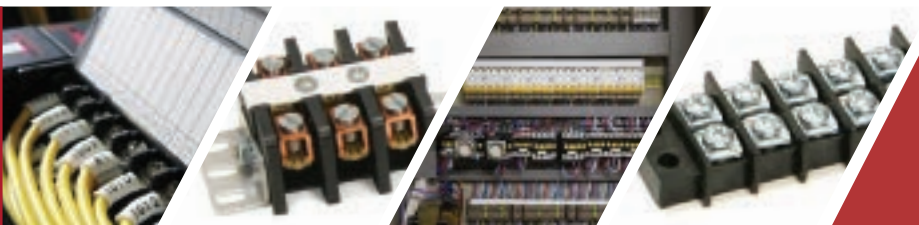
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Innovative Engineering Solutions



Contents

| | |
|-----------------------|---|
| Selection Guide | 2 |
|-----------------------|---|

BARRIER STYLE TERMINAL BLOCKS]

Single Row

| | |
|-------------------|----|
| SE/SEI | 6 |
| 32500 | 8 |
| 37000/38000 | 10 |
| CB/CFT | 16 |
| 43000 | 20 |
| GFT/GB | 24 |

Dual Row

| | |
|------------|----|
| 1500 | 28 |
| 2000 | 30 |
| M | 34 |
| 5600 | 36 |

High Voltage/Current

| | |
|-----------------------|----|
| Series SW & DSW | 38 |
| Series W | 40 |
| Types CDM | 42 |
| Series 71000 | 44 |
| Types H & BT | 46 |
| Types T & U | 48 |
| Types L, O & S | 50 |

RELAY SOCKETS]

| | |
|---------------------------------|----|
| Snap-In Socket Assemblies | 54 |
|---------------------------------|----|

CUS Series

| | |
|-----------------------------|----|
| CUS8 | 55 |
| CUS5, CUS12 and CUS16 | 55 |

RS Series

| | |
|------------------------|----|
| RS8, RS11 | 56 |
| RS2, RS4 and RS6 | 57 |
| RS12 and RS16 | 58 |
| RS14, RS15 | 59 |

| | |
|--------------------------|----|
| <i>Accessories</i> | 60 |
|--------------------------|----|

DIN RAIL TERMINAL BLOCKS]

| | |
|--|----|
| Din Rail Terminal Block Features | 62 |
| Multiple Wire Connections | 63 |

Screw Connections

| | |
|------------------------|----|
| Single Level | 64 |
| Dual Level Block | 68 |

Screwless Connections

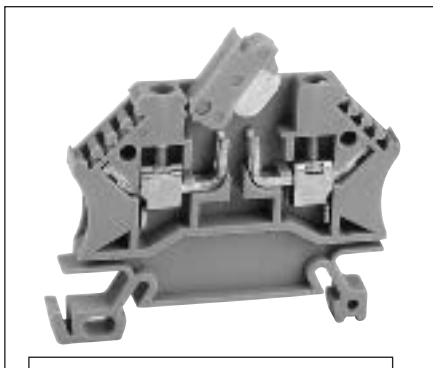
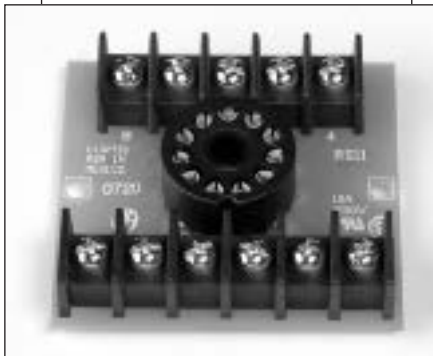
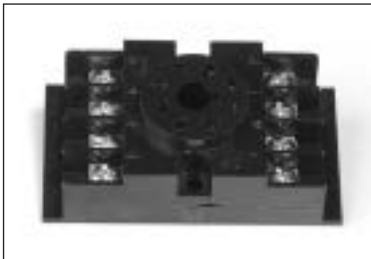
| | |
|--------------------------|----|
| Single Level | 70 |
| Single-Multi Level | 71 |
| Ground Blocks | 72 |

| | |
|--------------------------|----|
| <i>Fuse Blocks</i> | 73 |
|--------------------------|----|

| | |
|----------------------------|----|
| <i>Ground Blocks</i> | 75 |
|----------------------------|----|

| | |
|-----------------------------|----|
| <i>Mounting Rails</i> | 77 |
|-----------------------------|----|

| | |
|--------------------------|----|
| <i>Accessories</i> | 78 |
|--------------------------|----|



Curtis Industries Terminal Block Selection Guide

Barrier Style

| Series/ Type | TERMINAL SPACINGS | | | TERMINAL TYPES | | | | RATING | | HOUSING | | | AGENCY Approvals | | Catalog Page Number | |
|-----------------|--------------------------|------------------|---------------------|-----------------------------|-----------|-----------------|---------------------------|--|----------------|---------------------------------|------------------------------|-----------------------------------|------------------|----------------|---------------------|---------------|
| | Center-to-Center Spacing | Wire Range (AWG) | Number of Terminals | Feed-Thru (Fully Insulated) | Feed Thru | Printed Circuit | Surface (Fully Insulated) | Voltage (Varies with Application) see specifications | Current (Amps) | (Black) Phenolic *150°C (302°F) | Polyphenylene *110°C (230°F) | Thermoplastic-Poly *140°C (284°F) | Flammability | UL Recognition | | CSA Certified |
| | | | | | | | | | | | | | | | | |
| SE/SEI | .250" (1/4") (6.35mm) | 22 to 16 | 1 thru 26 | • | • | • | • | 250V | 5 | | • | | 94V-0 | • | • | 6 |
| 32500 | .325" (8.25mm) | 22 to 14 | 1 thru 26 | | • | • | • | 300V | 15 | | • | | 94V-0 | • | • | 8 |
| 37000/ 38000 | .375" (3/8") (9.52mm) | 22 to 12 | 1 thru 26 | • | • | • | | 300V | 20 | | • | | 94V-0 | • | • | 10 |
| CB/CFT | .375" (3/8") (9.52mm) | 22 to 12 | 1 thru 26 | • | • | • | • | 600V | 20 | | | • | 94V-0 | • | • | 16 |
| 43000 | .4375" (7/16") (11.11mm) | 22 to 12 | 1 thru 26 | • | • | • | • | 600V | 30 | | | • | 94V-0 | • | • | 20 |
| GFT/GB | .4375" (7/16") (11.11mm) | 22 to 12 | 1 thru 26 | • | • | • | • | 600V | 20 | • | • | | 94V-0 | • | • | 24 |
| 1500 | .375" (3/8") (9.52mm) | 22 to 10 | 1 thru 22 | | • | • | • | 300V | 30 | | • | | 94V-0 | • | • | 28 |
| 2000 | .4375" (7/16") (11.11mm) | 22 to 10 | 1 thru 26 | | • | • | • | 300V | 20 | | • | | 94V-0 | • | • | 30 |
| M | .50" (1/2") (12.7mm) | 22 to 12 | 1 thru 24 | | | | • | 300V | 15 | • | | | 94V-1 | • | • | 34 |
| 5600 | .563" (9/16") (14.29mm) | 22 to 8 | 1 thru 22 | | • | | • | 600V | 15-50 | • | | | 94V-0 | • | • | 36 |

Barrier Style High Voltage

| Series/ Type | TERMINAL SPACINGS | | | MOUNTING METHOD | | RATING | | HOUSING | | | AGENCY Approvals | | Catalog Page Number | |
|-----------------|--------------------------|----------------------------------|---------------------|-----------------|--------------------------------|---------|----------------|---------------------------------|-----------------------------------|----------------------------------|------------------|----------------|---------------------|---------------|
| | Center-to-Center Spacing | Wire Range (AWG) | Number of Terminals | Surface | Snap-in Track Modular Assembly | Voltage | Current (Amps) | (Black) Phenolic *150°C (302°F) | Thermoplastic-Poly *130°C (266°F) | Polyamide (Nylon) *125°C (257°F) | Flammability | UL Recognition | | CSA Certified |
| | | | | | | | | | | | | | | |
| SW/ DSW | .375" (3/8") (9.52mm) | 22 to 8 | 2 thru 192 | | • | 600V | 25-50 | | | • | 94V-2 | • | • | 38 |
| W | .4375" (7/16") (11.11mm) | 22 to 4 | 2 thru 164 | | • | 600V | 75 | • | | | 94V-1 | • | • | 40 |
| CDM | .547" (35/64") (13.86mm) | 22 to 10 | 1 thru 50 | • | | 600V | 30 | | • | | 94V-0 | • | • | 42 |
| 71000 | .629" (15.97mm) | 22 to 1 | 2 thru 6 | | • | 600V | 86 | | • | | 94V-0 | • | • | 44 |
| H/BT | .652" (16.56mm) | H - 16 to 4 BT - 22 to 10 | 1 thru 30 | • | | 600V | 75-30 | | • | | 94V-0 | • | • | 46 |
| T/U | 1.16" (29.46mm) | T - 6 to 1/0 U - 6 to 250 MCM | 1 thru 6 | • | | 600V | 125-250 | • | | | 94V-1 | • | • | 48 |
| L | 1.16" (29.46mm) | Up to 1 | 1 thru 12 | • | | 600V | 100 | | | | 94V-1 | • | • | 50 |
| O | 1.86" (47.24mm) | Up to 1/0 | 1 thru 4 | • | | 600V | 125 | • | | | 94V-1 | • | • | 50 |
| S | 2.42" (61.47mm) | Up to 4/0 | 1 thru 4 | • | | 600V | 225 | • | | | 94V-1 | • | • | 50 |



Relay Sockets

| Series/ Type | TERMINAL SPACINGS | | | STYLE | | RELAYS | | | | | RATING | | HOUSING | | Catalog Page Number |
|-----------------|---------------------------------|------------------------|---------|--------|--------|--------|------|------|------|------|--|----------------|---------------------------------|----|---------------------------|
| | Center-to- Center Spacing | Wire Range (AWG) | Sockets | Octal | Square | SPDT | 2PDT | 3PDT | 4PDT | 6PDT | Voltage (Varies with Application) see specifications | Current (Amps) | Thermoplastic •110°C (230°F) | | |
| | | | | | | | | | | | | | | | |
| CUS 8 | | 22 to 12 | 8-pin | • | | | • | | | | 300V | 10 | • | 55 | |
| CUS 5 | | 22 to 14 | 5-pin | | | • | | | | | 250V | 15 | • | 55 | |
| CUS 12 | | | 11-pin | | • | | | | | | | | | | |
| CUS 16 | | | 8-pin | | | | • | | | | | | | | |
| RS8 | .4375" (7/16") (11.11mm) | 22 to 12 | 8-pin | • | | | • | | | | 250V | 10 | • | 56 | |
| RS11 | | | | 11-pin | | | | | • | | | | | | |
| RS2 | .25" (1/4") (6.35mm) | 22 to 16 | 10-pin | | | | • | | | | 125V | 5 | • | 57 | |
| RS4 | | | | 16-pin | • | | | | | • | | | | | |
| RS6 | | | | 22-pin | | | | | | | | | | | • |
| RS12 | .4375" (7/16") (11.11mm) | 22 to 12 | 8-pin | | | | | • | | | 250V | 10 | • | 58 | |
| RS16 | | | | 11-pin | • | | | • | | | | | | | |
| RS14 | .25" (1/4") (6.35mm) | 22 to 16 | 14-pin | • | | | | | • | | 125V | 5 | • | 59 | |
| RS15 | | | | 15-pin | | | | | | • | | | | | |

Din Rail

| Series/Type | TERMINAL SPACINGS | | | STYLE | | RATING | | HOUSING | | Catalog Page Number |
|--------------------|-------------------|------------------------|--------------------------|-------|-----------|--|----------------|--|---------------------------|---------------------------|
| | Spacing | Wire Range (AWG) | Wire Cross Section | Screw | Screwless | Voltage (Varies with Application) see specifications | Current (Amps) | Thermoplastic Polyamide •125°C (230°F) | V-0 Self-Extinguishing | |
| | | | | | | | | | | |
| Single Level | 5-26mm | 24 to 10 | 2.5-70mm | • | | 800V | 24-80 | • | | 64 |
| Dual Level | 6 mm | 24 to 10 | 4.0-6.0mm | • | | 600V | 30 | • | | 66 |
| Triple Level | 5.3 & 6mm | 26 to 14 | 2.5mm | • | | 250V | 24 | • | | 69 |
| Single Level | 5mm | 24 to 8 | 2.5-8.0mm | | • | 600V | 20 | • | | 70 |
| Single-Multi Level | 5mm | 24 to 8 | 2.5-8.0mm | | • | 600V | 20 | • | | 71 |
| Ground | | 24 to 10 | | | • | | | • | | 72 |
| Fuse Block | 10mm | | 11/4-5.0mm | • | | 600V | 15-30 | • | | 73 |
| Din Ground | 2 - 25mm | 30 to 12 | 2-25mm | • | | 300-750V | 13.5-15 | | • | 75 |

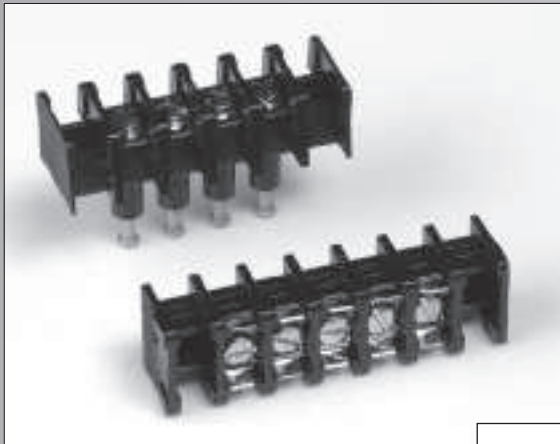


BARRIER STYLE TERMINAL BLOCKS]

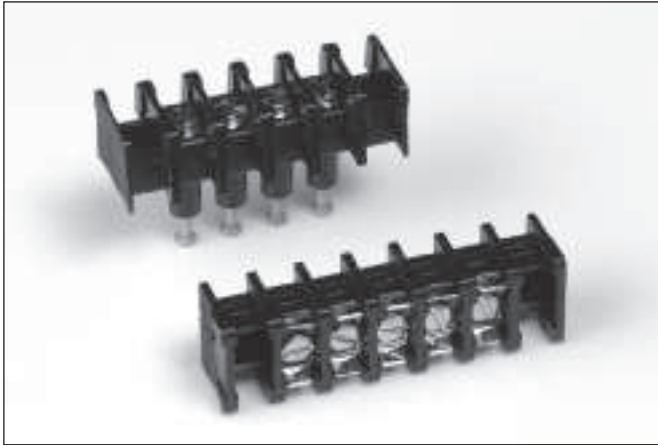
Single Row

Dual Row

High-Voltage/Current



Series SE/SEI .250" (1/4") 6.35mm Center-to-Center Spacing



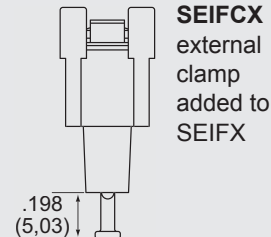
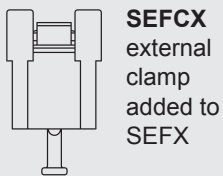
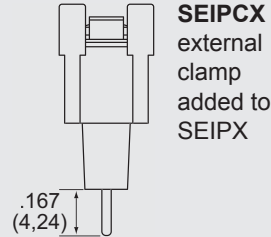
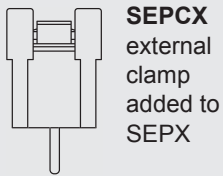
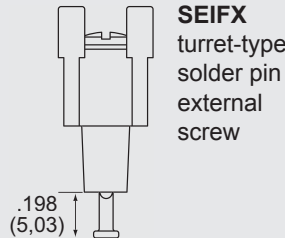
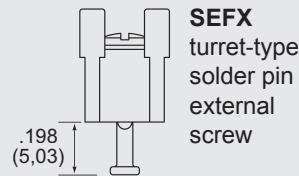
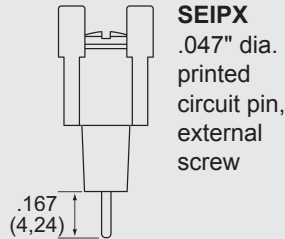
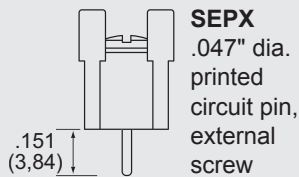
Features:


- **Miniature Feed-Thru, Printed Circuit and Surface Connection** – SE Series miniature terminal blocks are designed for applications requiring the compactness and versatility of the SEI Series without full feed-thru insulation.
- **Barrier-Type Construction** – Blocks are made of high-impact, break-resistant thermoplastic molding with integrally mounted .116" diameter mounting holes. One thru 26 terminals on 1/4" center-to-center spacing.
- **Terminal Flexibility** – External terminals available in two No. 2-56 screw designs. Internal terminals include an .047" diameter printed circuit pin, and turret-type solder pins.
- **Wire Sizes** – No. 2-56 screws. UL recognized for No. 22AWG to No. 16AWG.
- **Recognition and Listing** – UL recognized
- **Standoffs** – SEPX and SEFX are now supplied with .020" standoffs for ease in cleaning after soldering.


Single Row

BARRIER STYLE

VARIATIONS



 Recognized under the Components Program of Underwriters Laboratories, Inc. Standard 1059, Guide No. XCFR2, File No. E62557.

 Guide No. 22.2 No. 158, Report No. LR39186-1.

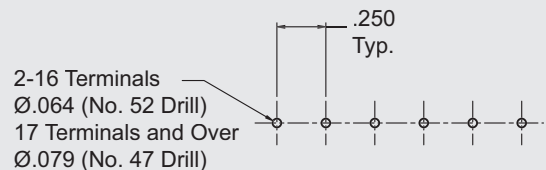
Internal Terminal Designations

- SEPX, SEIPX** printed circuit board design with .047" tin-plated brass pin
- SEFX, SEIFX** tin-plated brass turret-type solder pin

External Terminal Designations

- SEPX, SEFX, SEIPX, SEIFX** No. 2-56 plated steel* terminal screw accepting up to No. 16 AWG wire
- SEPCX, SEFCX, SEIPCX, SEIFCX** Nickel-plated brass surface clamp with No. 2-56 plated steel screw to eliminate lugging. Accepts wire up to No. 16AWG

PC BOARD DRILLING DIMENSIONS



Specifications:

Center-to-Center Spacing: .250" (6.35mm)

Wire Range: UL recognized for No. 22AWG to No. 16AWG. Models SEIPX, SEIFX, SEPX and SEFX with standard No. 2-56 plated steel screws are UL recognized "for factory wiring only." Models SEPCX, SEFCX, SEIPCX and SEIFCX are UL recognized "for field wiring" when ordered with special No. 2-56 stainless steel screw.

No. of Terminals: 1 thru 26

Voltage Rating: UL & CSA – 150 volts – General Industrial
250 volts – Commercial
Appliance

Tightening Torque: Wire Clamp with stainless steel screw 3 in.-lbs.

Current Rating: 5 amps UL

Housing:

| | |
|---------------------------------------|---|
| Material | Polyphenylene Oxide |
| Continuous Use Temp. (UL Index) | 110° C (230° F) |
| Flammability Rating | 94V-0 |
| Water Absorption (24 hrs. % wt. gain) | .06% |
| Chemical Resistance | Resistant to inorganic bases and acids – for organic substances contact factory for specific resistances. |

Breakdown Voltage:

| | |
|---------------------|------------|
| Terminal - Terminal | 3,600 Typ. |
| Terminal - Ground | 4,700 Typ. |

How to Order

SEI and SE Series terminal blocks are ordered by listing a composite number made up of the model designation followed by the number of poles required for the application.

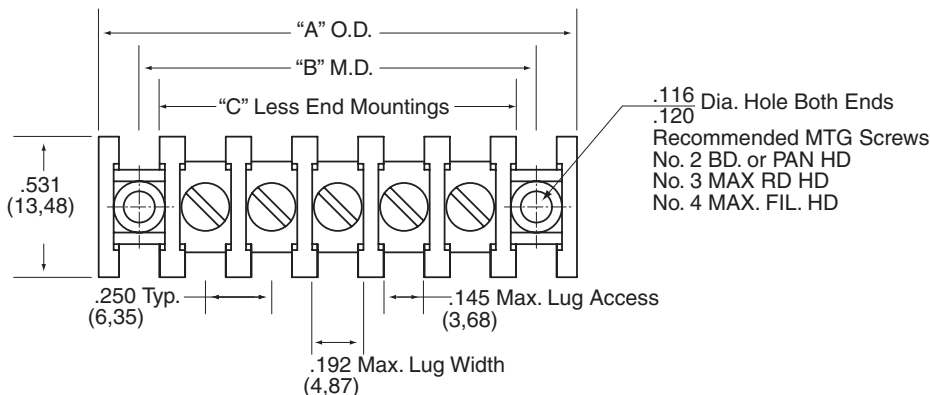
Suffixes are used as follows:

R denotes model less mounting positions

* The SEPX and SEFX are made with .020" standoffs for ease in cleaning after the soldering operation

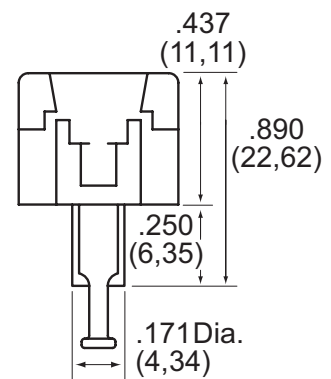
Series SE/SEI Dimensions

NOTE: mm dim. are shown in parentheses



| Number of Terminals | Series SE/SEI With Mounting Ends | | | | Without Mounting Ends | |
|---------------------|------------------------------------|-------------|-------------------------------------|-------------|----------------------------------|-------------|
| | Dimensions | | | | | |
| | A ± .031 Overall Dimensions (O.D.) | | B ± .031 Mounting Dimensions (M.D.) | | C ± .031 Less Mounting Positions | |
| | Inches | Metric (mm) | Inches | Metric (mm) | Inches | Metric (mm) |
| 1 | .781 | 19.84 | .500 | 12.70 | .375 | 9.52 |
| 2 | 1.031 | 26.19 | .750 | 19.05 | .625 | 15.87 |
| 3 | 1.281 | 32.54 | 1.000 | 25.40 | .875 | 22.22 |
| 4 | 1.531 | 38.89 | 1.250 | 31.75 | 1.125 | 28.57 |
| 5 | 1.781 | 45.24 | 1.500 | 38.10 | 1.375 | 34.92 |
| 6 | 2.031 | 51.59 | 1.750 | 44.45 | 1.625 | 41.27 |
| 7 | 2.281 | 57.94 | 2.000 | 50.80 | 1.875 | 47.62 |
| 8 | 2.531 | 64.29 | 2.250 | 57.15 | 2.125 | 53.97 |
| 9 | 2.781 | 70.64 | 2.500 | 63.50 | 2.375 | 60.32 |
| 10 | 3.031 | 76.99 | 2.750 | 69.85 | 2.625 | 66.67 |
| 11 | 3.281 | 83.34 | 3.000 | 76.20 | 2.875 | 73.02 |
| 12 | 3.531 | 89.69 | 3.250 | 82.55 | 3.125 | 79.37 |
| 13 | 3.781 | 96.04 | 3.500 | 88.90 | 3.375 | 85.72 |
| 14 | 4.031 | 102.39 | 3.750 | 95.25 | 3.625 | 92.07 |
| 15 | 4.281 | 108.74 | 4.000 | 101.60 | 3.875 | 98.42 |
| 16 | 4.531 | 115.09 | 4.250 | 107.95 | 4.125 | 104.77 |
| 17 | 4.781 | 121.44 | 4.500 | 114.30 | 4.375 | 111.12 |
| 18 | 5.031 | 127.79 | 4.750 | 120.65 | 4.625 | 117.47 |
| 19 | 5.281 | 134.14 | 5.000 | 127.00 | 4.875 | 123.82 |
| 20 | 5.531 | 140.49 | 5.250 | 133.35 | 5.125 | 130.17 |
| 21 | 5.781 | 146.84 | 5.500 | 139.70 | 5.375 | 136.52 |
| 22 | 6.031 | 153.19 | 5.750 | 146.05 | 5.625 | 142.87 |
| 23 | 6.281 | 159.54 | 6.000 | 152.40 | 5.875 | 149.22 |
| 24 | 6.531 | 165.89 | 6.250 | 158.75 | 6.125 | 155.57 |
| 25 | 6.781 | 172.24 | 6.500 | 165.10 | 6.375 | 161.92 |
| 26 | 7.031 | 178.59 | 6.750 | 171.45 | 6.625 | 168.27 |

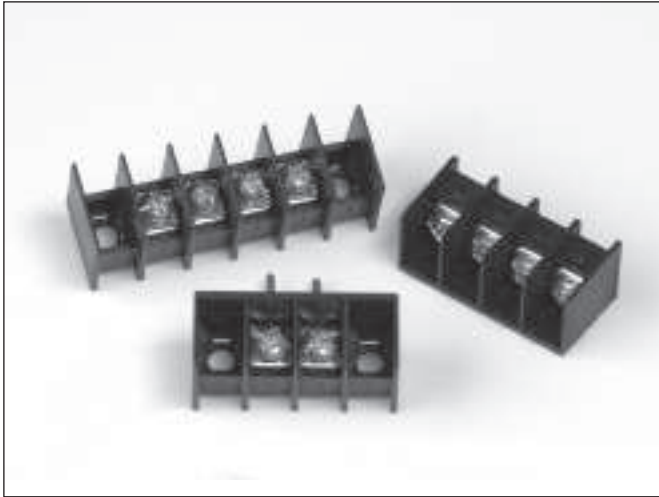
Dimensions shown are ± 0.030"



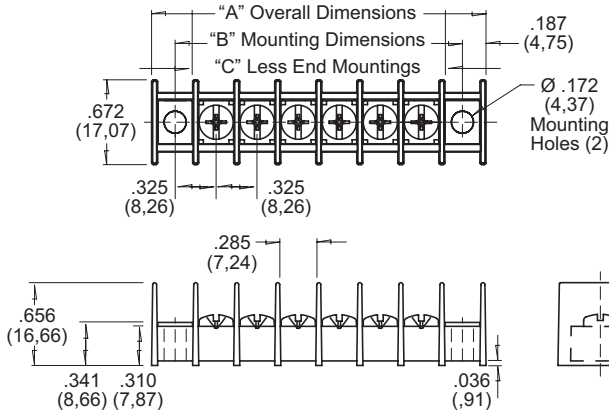
Series 32500 .325" Center-to-Center Spacing

Single Row

BARRIER STYLE



32500 Surface Mount With or Without Mounting Ends



Features:

- **Complete Line of .325" Offset Blocks** – Including base mount, P.C. Pin, wire wrap, turret, and right angle terminals
- **Open or Tri Barrier Designs** – To meet your wiring requirements
- **UL & CSA Recognized** – With a 94 V-O flammability rating
- **Molded in Standoffs** – To aid in the board cleaning process
- **A Multitude of Screw and Wire Terminals Available** – Including wire clamps, wire ready screws, and combo head screws

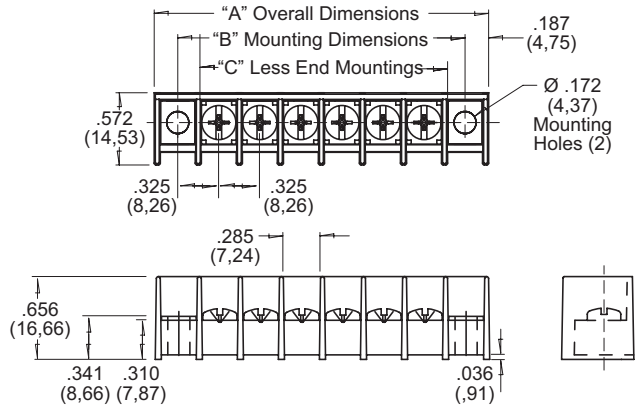


Recognized under the Components Program of Underwriters Laboratories, Inc. Standard 1059, Guide No. XCFR2, File No. E62557.



Guide No. 22.2 No. 158, Report No. LR39186-1.

32500 Tri-Barrier Surface Mount With or Without Mounting Ends



How to Order 325 X X X XX X

MOLDING DESIGN

- 0 = Open Back w/ Mounting Ends
- 1 = Open Back w/o Mounting Ends
- 2 = Tri Barrier w/ Mounting Ends
- 3 = Tri Barrier w/o Mounting Ends

INSERT OR BOTTOM TERMINATION DESIGN

- 0 = Base Mount Insert
- 1 = Printed Circuit Pin
- 2 = Wire Wrap Pin
- 3 = Turret Type Pin
- 4 = Right Angle Printed Circuit Pin

SPECIALS OR OPTIONAL DESIGNS

- 0 = None
- A-Z = Custom Configuration

NUMBER OF POSITIONS

1 thru 26, Available in One to Twenty-Six Positions

HARDWARE OR TOP TERMINATION DESIGN

- 0 = Steel Combo Head Screw
- 1 = Wire Clamp Head Screw
- 2 = Brass Combo
- 3 = Stainless Steel Screw
- 5 = Supplied w/o Screws
- 6 = Quick Connects
- 8 = Captivated Steel Combo Head
- 9 = Captivated Wire Clamp

Specifications:

Center-to-Center Spacing: .325" (.825mm)

Wire Range: No. 22AWG to 14AWG

No. of Terminals: 1 thru 26 (28 without mounting holes)

Voltage Rating: 300V

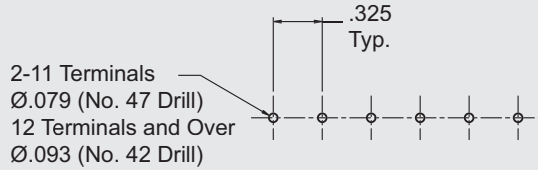
Tightening Torque: 9 in. lb.

Current Rating: 15 amps UL
(20 Amps with 12AWG & Lugs)

Housing:

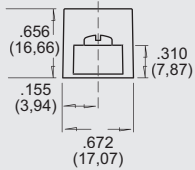
| | |
|----------------------|---------------|
| Material | Polypropylene |
| Continuous Use | |
| Temp. (UL Index) | 105°C (221°F) |
| Flammability Rating | 94V-0 |
| Water Absorption | |
| (24 hrs. % wt. gain) | .03% |

PC BOARD DRILLING DIMENSIONS

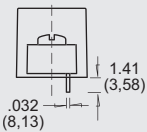


Series 32500 Open Back

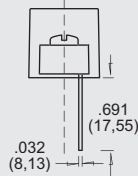
0 – Flush Mount



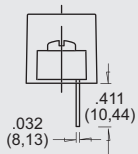
1 – PC Pin



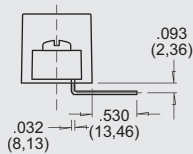
2 – Wire Wrap



3 – Turret Type

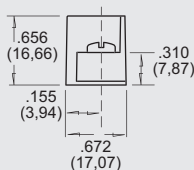


4 – Right Angle PC Pin

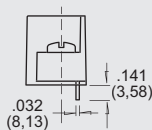


Series 32500 Tri-Barrier

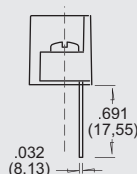
0 – Flush Mount



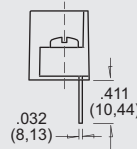
1 – PC Pin



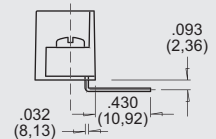
2 – Wire Wrap



3 – Turret Type



4 – Right Angle PC Pin



| Number of Terminals | Series 32500 With Mounting Ends | | | | Without Mounting Ends | |
|---------------------|------------------------------------|-------------|-------------------------------------|-------------|-----------------------------|-------------|
| | Dimensions | | | | | |
| | A ± .031 Overall Dimensions (O.D.) | | B ± .031 Mounting Dimensions (M.D.) | | C ± .031 Less Mounting Ends | |
| | Inches | Metric (mm) | Inches | Metric (mm) | Inches | Metric (mm) |
| 1 | 1.023 | 25.98 | .650 | 16.51 | .373 | 9.47 |
| 2 | 1.348 | 34.24 | .975 | 24.77 | .698 | 17.73 |
| 3 | 1.673 | 42.49 | 1.300 | 33.02 | 1.023 | 25.98 |
| 4 | 1.998 | 50.75 | 1.625 | 41.30 | 1.348 | 34.24 |
| 5 | 2.323 | 59.00 | 1.950 | 49.53 | 1.673 | 42.49 |
| 6 | 2.648 | 67.26 | 2.275 | 57.79 | 1.998 | 50.75 |
| 7 | 2.973 | 75.51 | 2.600 | 66.04 | 2.323 | 59.00 |
| 8 | 3.298 | 83.77 | 2.925 | 74.30 | 2.648 | 67.25 |
| 9 | 3.623 | 92.02 | 3.250 | 82.55 | 2.973 | 75.51 |
| 10 | 3.948 | 100.28 | 3.575 | 90.81 | 3.298 | 83.77 |
| 11 | 4.273 | 108.53 | 3.900 | 99.06 | 3.623 | 92.02 |
| 12 | 4.598 | 116.79 | 4.225 | 107.32 | 3.948 | 100.28 |
| 13 | 4.923 | 125.04 | 4.550 | 115.57 | 4.273 | 108.53 |
| 14 | 5.248 | 133.30 | 4.875 | 123.83 | 4.598 | 116.79 |
| 15 | 5.573 | 141.55 | 5.200 | 132.08 | 4.923 | 125.04 |
| 16 | 5.898 | 149.81 | 5.525 | 140.34 | 5.248 | 133.30 |
| 17 | 6.223 | 158.06 | 5.850 | 148.59 | 5.573 | 141.55 |
| 18 | 6.548 | 166.32 | 6.175 | 156.85 | 5.898 | 149.81 |
| 19 | 6.873 | 174.57 | 6.500 | 165.1 | 6.223 | 158.06 |
| 20 | 7.198 | 182.83 | 6.825 | 173.36 | 6.548 | 166.32 |
| 21 | 7.523 | 191.08 | 7.150 | 181.61 | 6.873 | 174.57 |
| 22 | 7.848 | 199.34 | 7.475 | 189.87 | 7.198 | 182.83 |
| 23 | 8.173 | 207.59 | 7.800 | 198.12 | 7.523 | 191.08 |
| 24 | 8.498 | 215.85 | 8.125 | 206.38 | 7.848 | 199.34 |
| 25 | 8.823 | 224.10 | 8.450 | 214.63 | 8.173 | 207.60 |
| 26 | 9.148 | 232.36 | 8.775 | 222.89 | 8.498 | 215.85 |
| 27 | | | | | 8.823 | 224.10 |
| 28 | | | | | 9.148 | 232.36 |

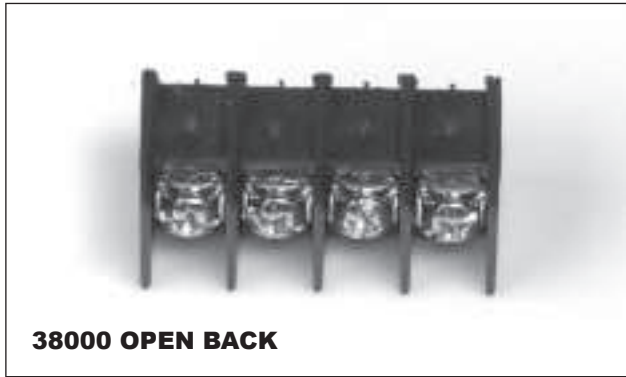
Dimensions shown are ± 0.030"

Series 37000/38000 .375" (3/8") 9.52mm Center-to-Center Spacing

Single Row



37000 TRI BARRIER



38000 OPEN BACK

Features:

- Complete line of .375" centerline terminal block styles. Terminal blocks come in surface mount, PC mount, panel mount, and feed-thru styles with a wide variety of top and bottom terminations available
- Compliant contact design virtually eliminates solder joint fractures due to pin twist
- Standoffs are molded into blocks to prevent trapping solder flux and to aid in the board cleaning process
- Broad wire range. The 37000/38000 Series terminal blocks will accommodate wire sizes up to 12AWG
- Full line of accessories complements the 37000/38000 Series terminal blocks, offering greater design flexibility
- All Curtis terminal blocks for electronic applications are made from self-extinguishing material rated 94V-0 by Underwriters Laboratories, Inc.
- Customized terminal blocks are available for special application by consulting any authorized Curtis distributor, Curtis representative, or by contacting the Curtis factory direct



Recognized under the Components Program of Underwriters Laboratories, Inc. Standard 1059, Guide No. XCFR2, File No. E62557.

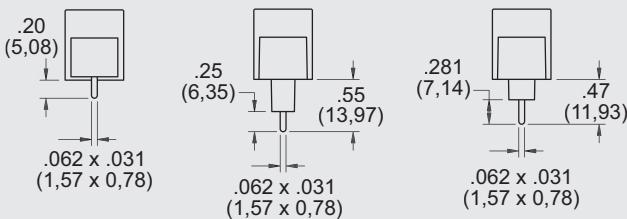


Guide No. 22.2 No. 158, Report No. LR39186-1.

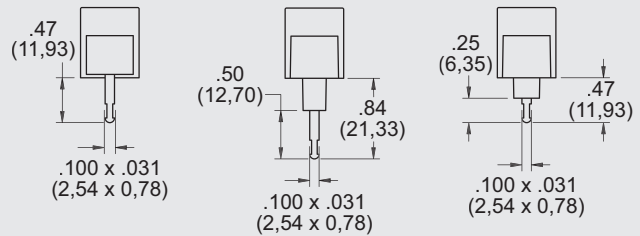
BARRIER STYLE

SERIES 38000 VARIATIONS

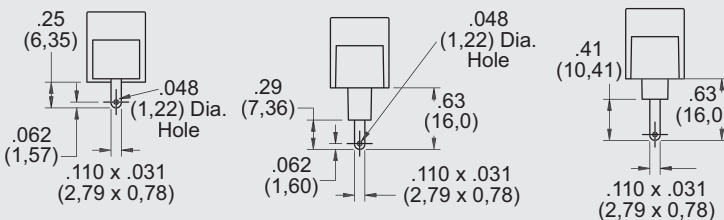
1 - Printed Circuit Pin



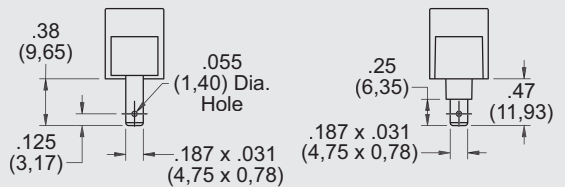
2 - Turret Type Solder Terminal



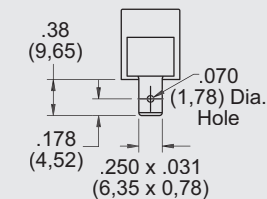
3 - .110" Quick Connect



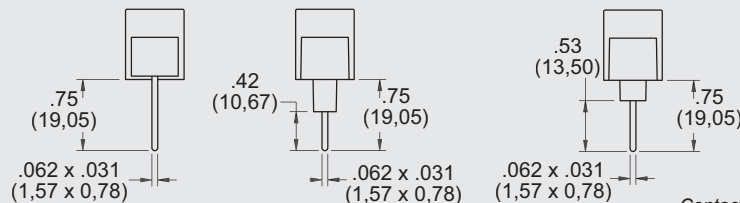
4 - .187" Quick Connect



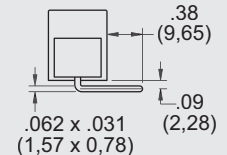
5 - .250" Quick Connect



6 - Wire Wrap/Printed Circuit Pin



7 - Wire Wrap/Right Angle Printed Circuit Pin



NOTE: Standard bend shown. Contact factory for other bend dimensions.

Specifications:

Center-to-Center Spacing: .375"
(9.52mm)

Wire Range: No. 22AWG to No. 12AWG

No. of Terminals: 1 thru 26 (28 positions on surface mount without mounting ends)

Voltage Rating: 300V

Tightening Torque:

Wire Binding Screw 9 in.-lb.
Wire Clamp 9 in.-lb.

Current Rating: 20 amps

Housing:

Material Polypropylene
Continuous Use
Temp. (UL Index) 105°C
Flammability Rating 94V-0
Water Absorption (24 hrs. % wt. gain) .03%
Chemical Resistance Excellent

Breakdown Voltage:

Terminal - Ground 3,000V Typ.
4,700 Typ.

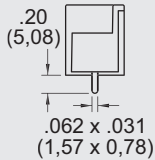
Terminals: Brass, Tin-plated

| Series 37000 and 38000 With Mounting Ends | | | | | | | Without Mounting Ends | |
|--|------------------------------------|-------------|-------------------------------------|-------------|-----------------------------|-------------|-----------------------------|-------------|
| Number of Terminals | Dimensions | | | | | | | |
| | A ± .031 Overall Dimensions (O.D.) | | B ± .031 Mounting Dimensions (M.D.) | | C ± .031 Less Mounting Ends | | A ± .031 Less Mounting Ends | |
| | Inches | Metric (mm) | Inches | Metric (mm) | Inches | Metric (mm) | Inches | Metric (mm) |
| 1 | 1.200 | 30.48 | .750 | 19.05 | .450 | 11.43 | — | — |
| 2 | 1.575 | 40.01 | 1.125 | 28.58 | .825 | 20.96 | .825 | 20.96 |
| 3 | 1.950 | 49.53 | 1.500 | 38.1 | 1.200 | 30.48 | 1.200 | 30.48 |
| 4 | 2.325 | 59.06 | 1.875 | 47.63 | 1.575 | 40.01 | 1.575 | 40.01 |
| 5 | 2.700 | 68.58 | 2.250 | 57.15 | 1.950 | 49.53 | 1.950 | 49.53 |
| 6 | 3.075 | 78.11 | 2.625 | 66.68 | 2.325 | 59.06 | 2.325 | 59.06 |
| 7 | 3.450 | 87.63 | 3.000 | 76.2 | 2.700 | 68.58 | 2.700 | 68.58 |
| 8 | 3.825 | 97.16 | 3.375 | 85.73 | 3.075 | 78.11 | 3.075 | 78.11 |
| 9 | 4.200 | 106.68 | 3.750 | 95.25 | 3.450 | 87.63 | 3.450 | 87.63 |
| 10 | 4.575 | 116.21 | 4.125 | 104.78 | 3.825 | 97.16 | 3.825 | 97.16 |
| 11 | 4.950 | 125.73 | 4.500 | 114.3 | 4.200 | 106.68 | 4.200 | 106.68 |
| 12 | 5.325 | 135.26 | 4.875 | 123.83 | 4.575 | 116.21 | 4.575 | 116.21 |
| 13 | 5.700 | 144.78 | 5.250 | 133.35 | 4.950 | 125.73 | 4.950 | 125.73 |
| 14 | 6.075 | 154.31 | 5.625 | 142.88 | 5.325 | 135.26 | 5.325 | 135.26 |
| 15 | 6.450 | 163.83 | 6.000 | 152.4 | 5.700 | 144.78 | 5.700 | 144.78 |
| 16 | 6.825 | 173.36 | 6.375 | 161.93 | 6.075 | 154.30 | 6.075 | 154.31 |
| 17 | 7.200 | 182.88 | 6.750 | 171.45 | 6.450 | 163.83 | 6.450 | 163.83 |
| 18 | 7.575 | 192.41 | 7.125 | 180.98 | 6.825 | 173.36 | 6.825 | 173.36 |
| 19 | 7.950 | 201.93 | 7.500 | 190.5 | 7.200 | 182.88 | 7.200 | 182.88 |
| 20 | 8.325 | 211.48 | 7.875 | 200.03 | 7.575 | 192.40 | 7.575 | 192.41 |
| 21 | 8.700 | 220.98 | 8.250 | 209.55 | 7.950 | 201.93 | 7.950 | 201.93 |
| 22 | 9.075 | 230.51 | 8.625 | 219.08 | 8.325 | 211.46 | 8.325 | 211.46 |
| 23 | 9.450 | 240.03 | 9.000 | 228.6 | 8.700 | 220.98 | 8.700 | 220.98 |
| 24 | 9.825 | 249.56 | 9.375 | 238.13 | 9.075 | 230.50 | 9.075 | 230.51 |
| 25 | 10.200 | 259.08 | 9.750 | 247.65 | 9.450 | 240.03 | 9.450 | 240.03 |
| 26 | 10.575 | 268.61 | 10.125 | 257.18 | 9.825 | 249.56 | 9.825 | 249.56 |

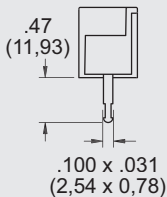
Dimensions shown are ± 0.030"

SERIES 37000 VARIATIONS

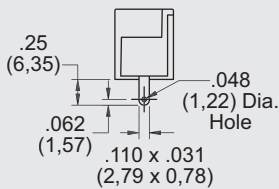
1 – Printed Circuit Pin



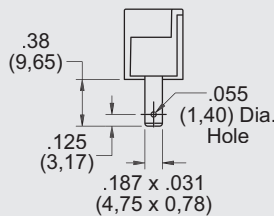
2 – Turret Type Solder Terminal



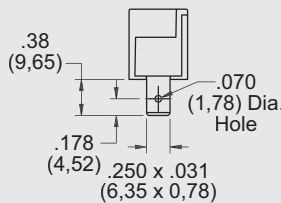
3 – .110" Quick Connect



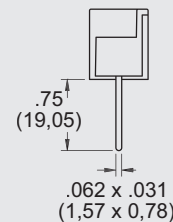
4 – .187" Quick Connect



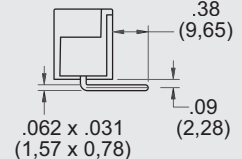
5 – .250" Quick Connect



6 – Wire Wrap/Printed Circuit Pin

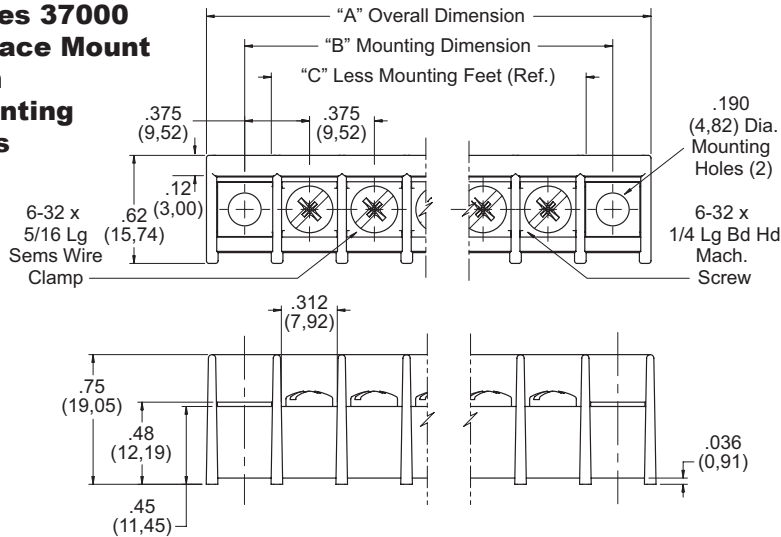


7 – Wire Wrap/Right Angle Printed Circuit Pin

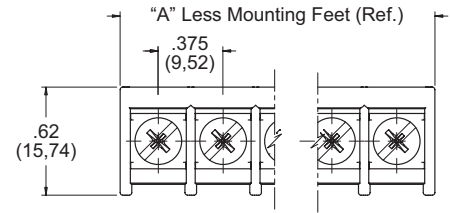


Series 37000/38000

Series 37000 Surface Mount with Mounting Ends



Series 37000 Surface Mount without Mounting Ends



How to Order T37 X X X XX X

MOLDING DESIGN

- 0 = Surface Mount w/ Mounting Ends
- 1 = Surface Mount w/o Mounting Ends

INSERT OR BOTTOM TERMINATION DESIGN

- 0 = Surface Mount, No Bottom Termination
- 1 = Printed Circuit Pin
- 2 = Turret Type Solder Terminal
- 3 = Quick Connect .110"
- 4 = Quick Connect .187"
- 5 = Quick Connect .250"
- 6 = Wire Wrap Pin
- 7 = Right Angle Printed Circuit

SPECIALS OR OPTIONAL DESIGNS

- 0 = None
- A-Z = Custom Configuration

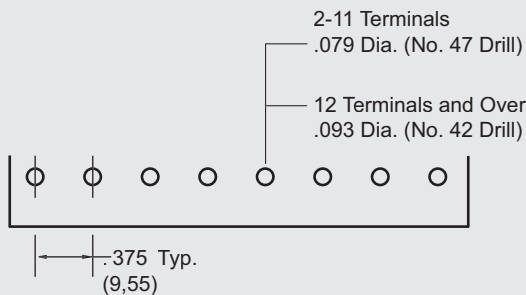
NUMBER OF POSITIONS

- 1 thru 26, Available in One to Twenty-Six Positions (28 Surface Mounts without Mounting Ends)

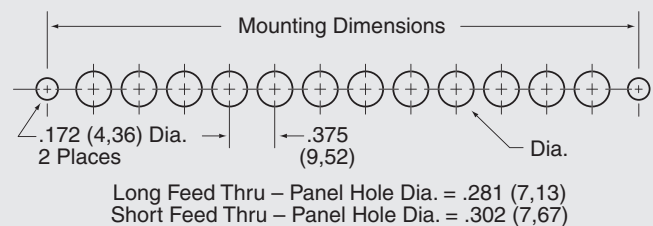
HARDWARE OR TOP TERMINATION DESIGN

- 0 = Nickel Plated Steel Screw, Standard
- 1 = Wire Clamp Screws
- 2 = Nickel Plated Brass Screws
- 3 = Stainless Steel Screws
- 5 = Without Screws
- 6 = Quick Connects, Screw Type*
- 8 = Captivated Screw

PC BOARD DRILLING DIMENSIONS



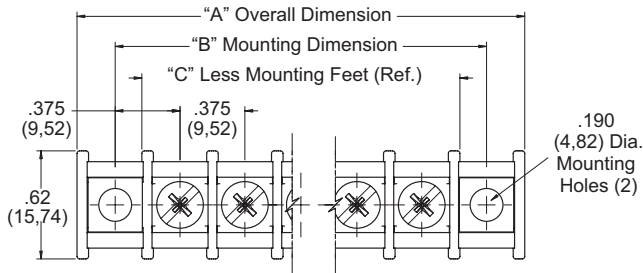
RECOMMENDED PANEL CUTOUT DIMENSIONS



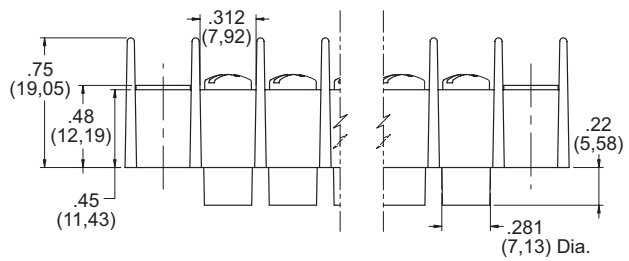
Single Row

BARRIER STYLE

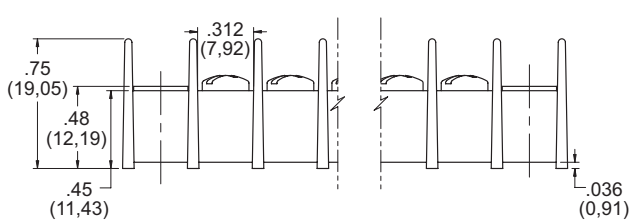
Series 38000 Surface Mount without Mounting Ends



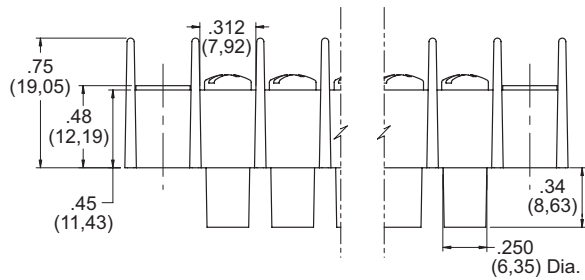
Series 38000 Short Feed-Thru



Series 38000 Base Mount



Series 38000 Long Feed-Thru



How to Order T38 X X X XX X

MOLDING DESIGN

- 0 = Surface Mount w/ Mounting Ends
- 1 = Surface Mount w/o Mounting Ends
- 2 = Insulated Feed Thru .250 Diameter w/ Mounting Ends
- 3 = Insulated Feed Thru .250 Diameter w/o Mounting Ends
- 4 = Insulated Feed Thru .281 Diameter w/ Mounting Ends
- 5 = Insulated Feed Thru .281 Diameter w/o Mounting Ends

INSERT OR BOTTOM TERMINATION DESIGN

- 0 = Surface Mount, No Bottom Termination
- 1 = Printed Circuit Pin
- 2 = Turret Type Solder Terminal
- 3 = Quick Connect .110"
- 4 = Quick Connect .187"
- 5 = Quick Connect .250"
- 6 = Wire Wrap Pin
- 7 = Right Angle Printed Circuit

SPECIALS OR OPTIONAL DESIGNS

- 0 = None
- A-Z = Custom Configuration

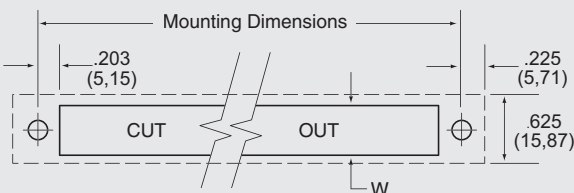
NUMBER OF POSITIONS

1 thru 26, Available in One to Twenty-Six Positions (28 Surface Mounts without Mounting Ends)

HARDWARE OR TOP TERMINATION DESIGN

- 0 = Nickel Plated Steel Screw, Standard
- 1 = Wire Clamp Screws
- 2 = Nickel Plated Brass Screws
- 3 = Stainless Steel Screws
- 5 = Without Screws
- 6 = Quick Connects, Screw Type*
- 8 = Captivated Screw

RECOMMENDED PANEL CUTOUT DIMENSIONS



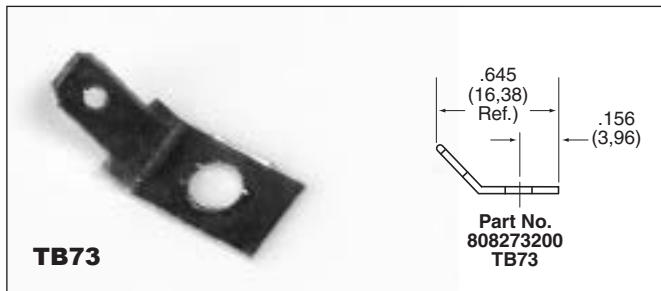
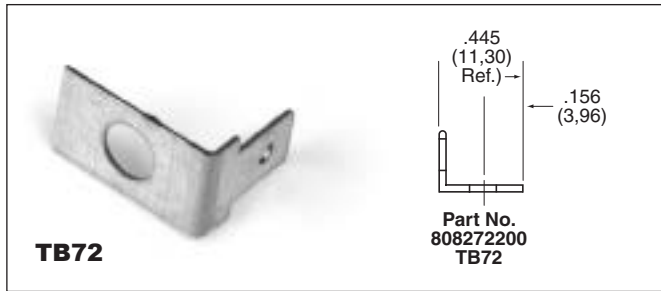
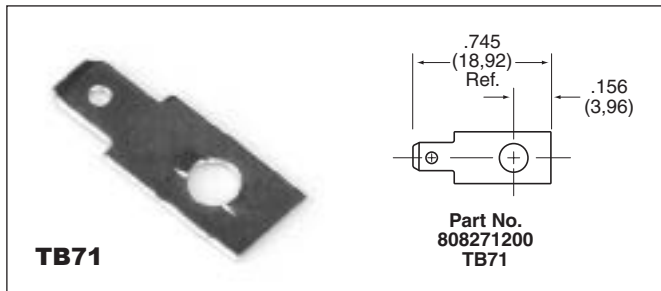
SURFACE MOUNT STYLES

- .187 (4,75) Tab W = .45 (11,34)
- .250 (6,35) Tab
- .110 (2,79) QC Wire Wrap Solder Tab W = .38 (9,65)

Series 37000/38000

Series 37000 Accessories

QUICK-CONNECT TERMINALS .020 X .187

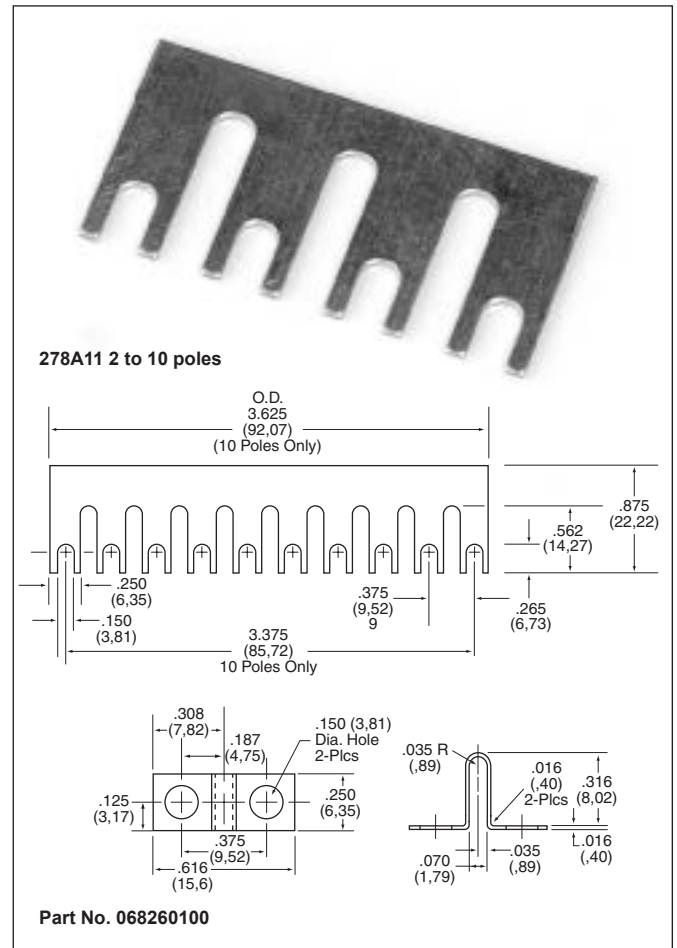


Single Row

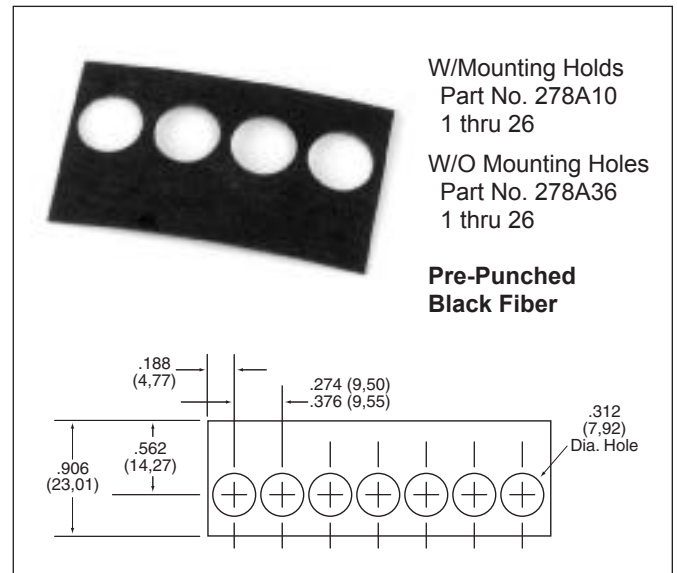
BARRIER STYLE

Series 37000/38000 Accessories

TERMINAL BLOCK JUMPERS

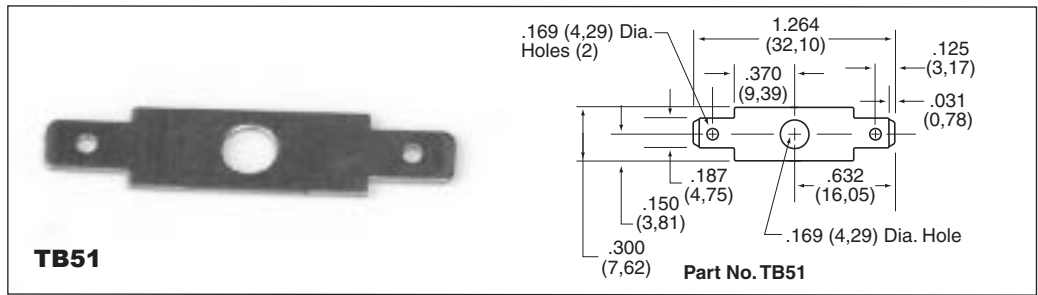


MARKING STRIPS



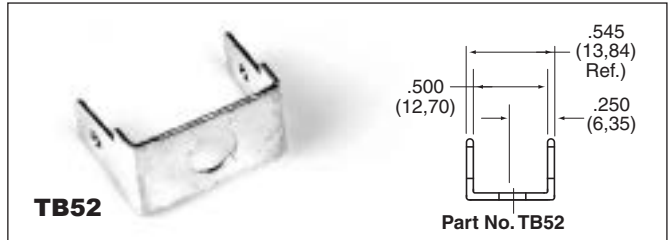
Series 38000 Accessories

QUICK-CONNECT TERMINALS .020 x .187"



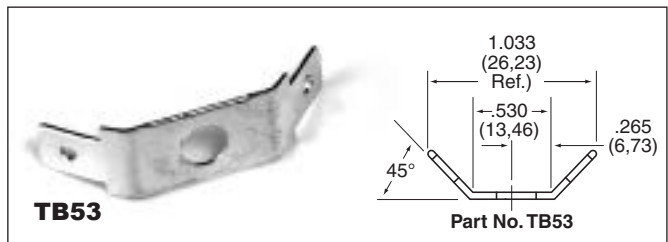
TB51

Technical drawing for Part No. TB51 showing dimensions: .169 (4,29) Dia. Holes (2), 1.264 (32,10), .125 (3,17), .370 (9,39), .031 (0,78), .187 (4,75), .632 (16,05), .169 (4,29) Dia. Hole, .150 (3,81), .300 (7,62).



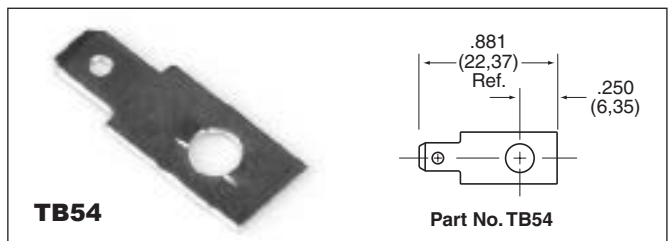
TB52

Technical drawing for Part No. TB52 showing dimensions: .545 (13,84) Ref., .500 (12,70), .250 (6,35).



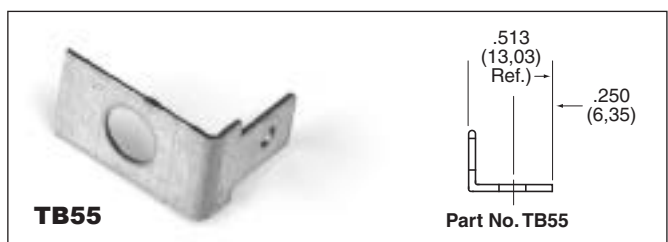
TB53

Technical drawing for Part No. TB53 showing dimensions: 1.033 (26,23) Ref., .530 (13,46), .265 (6,73), 45°.



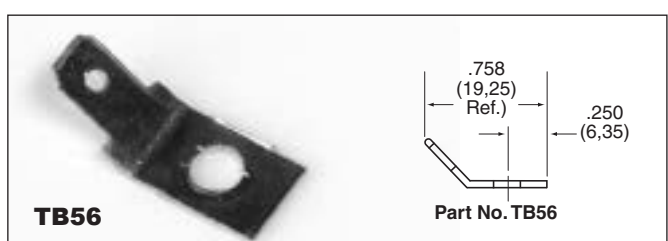
TB54

Technical drawing for Part No. TB54 showing dimensions: .881 (22,37) Ref., .250 (6,35).



TB55

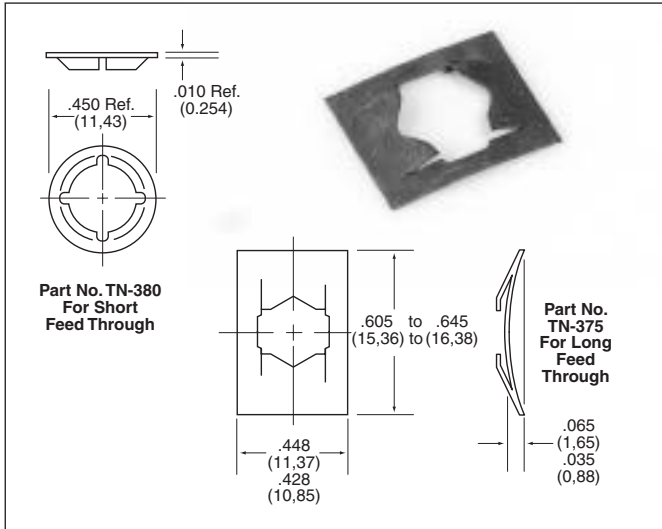
Technical drawing for Part No. TB55 showing dimensions: .513 (13,03) Ref., .250 (6,35).



TB56

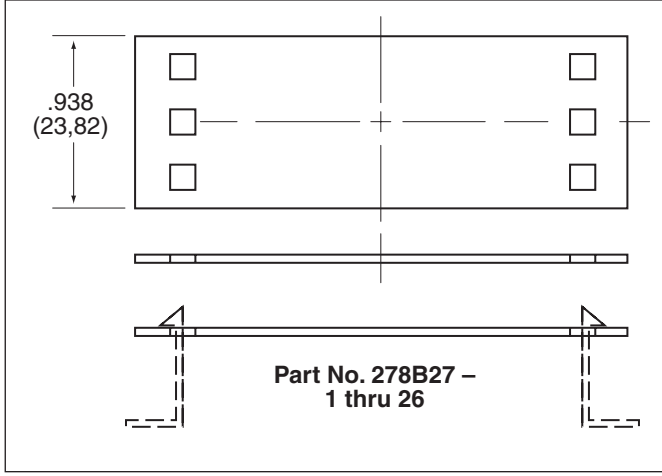
Technical drawing for Part No. TB56 showing dimensions: .758 (19,25) Ref., .250 (6,35).

TINNERMAN NUTS



Technical drawings for Part No. TN-380 For Short Feed Through and Part No. TN-375 For Long Feed Through showing dimensions: .450 Ref. (11,43), .010 Ref. (0,254), .605 to .645 (15,36) to (16,38), .448 (11,37), .428 (10,85), .065 (1,65), .035 (0,88).

COVERS



Technical drawing for Part No. 278B27 - 1 thru 26 showing dimensions: .938 (23,82).

Single Row
BARRIER STYLE

Dimensions are in inches and millimeters unless otherwise specified. Values in parentheses are metric equivalents.

Series CB/CFT .375" (3/8") 9.52mm Center-to-Center Spacing

Single Row



Features:

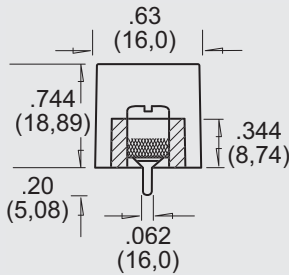
- **Compact Barrier-Type Design** – Especially suited for electronic and control feed-thru applications where space saving is required
- **Fully Insulated Feed-Thru, Disconnect, Printed Circuit or Surface Connection** – One thru 26 terminals on .375" center-to-center spacing
- **Improved High Barrier-Type Design** – Meets industrial control clearance and creepage requirements set by UL. Rated 20A up to 600V
- **Suitable for High Moisture and Dust Environments** – Blocks are made of break resistance, high-impact black thermoplastic
- **Solid Construction** – Terminals are molded in place with precision screw machined brass inserts which will not twist. Virtually eliminating broken solder joints while providing a full mechanical thread system
- **Broad Wire Range** – No. 6-32 external terminal screw UL recognized for No. 22AWG to No. 12AWG
- **Recognition and Listing** – UL recognized and CSA certified

UL® Recognized under the Components Program of Underwriters Laboratories, Inc. Standard 1059, Guide No. XCFR2, File No. E62557.

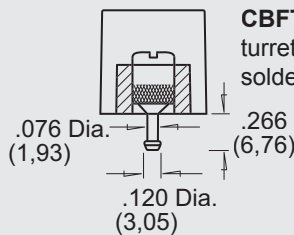
CSA® Guide No. 22.2 No. 158, Report No. LR39186-1. Complies with IEC 947-7-1

BARRIER STYLE

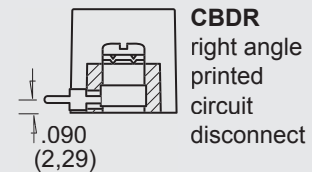
SERIES CB/CFT VARIATIONS



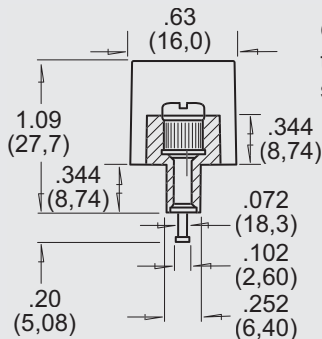
CBP
.062" dia.
printed
circuit pin



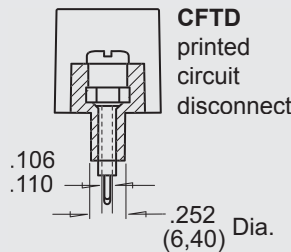
CBFT
turret-type
solder pin



CBDR
right angle
printed
circuit
disconnect

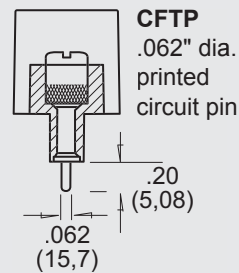


CFT
turret-type
solder pin

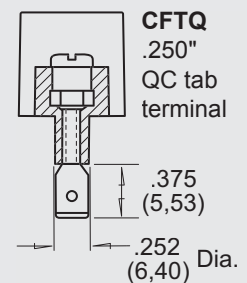


CFTD
printed
circuit
disconnect

CFTD is normally supplied with standard pin installed.



CFTP
.062" dia.
printed
circuit pin



CFTQ
.250"
QC tab
terminal

NOTE: Consult factory for minimums

Specifications:**Center-to-Center Spacing:** .375" (9.52mm)**Wire Range:** No. 22AWG to No. 12AWG**No. of Terminals:** 1 thru 26**Voltage Rating:** CSA – 300V*Screw Terminals:*

UL – 600V – Limited Energy Devices

UL – 300V – General Industrial

Quick Connects:

UL – 125V – General Appliance

Tightening Torque:

Wire Binding Screw 12 in.-lb.

Wire Clamps 20 in.-lb.

Current Rating: 20 amps**Housing:**

Material Thermoplastic Polyester

Continuous Use

Temp. (UL Index) 140°C (284°F)

Flammability Rating 94V-0

Water Absorption

(24 hrs. % wt. gain) .08%

Chemical Resistance Excellent in most environments

Breakdown Voltage:

Terminal - Terminal 7,000V Typ.

Terminal - Ground 6,000V Typ.

Terminals: Solid Brass

Solder style terminals are plated with high-purity tin for optimum solderability

Contact Resistance: .002 Ohm Typ. – CFTD**INTERNAL TERMINAL DESIGNATIONS**

CBP printed circuit board design with .062" diameter tin-plated brass pin

CBFT tin-plated brass turret-type solder pin

CFT tin-plated brass turret-type solder pin

CFTP printed circuit board design with .062" diameter tin-plated brass pin

CFTQ .250" quick connect tab terminal

CFTD disconnect design with factory installed pin terminals for printed circuit mounting

CBDR right angle disconnect design

EXTERNAL TERMINAL DESIGNATIONS

CBP, CBFT, CFT, screw terminal with No. 6-32 plated

CFTP, CFTD steel* screw accepting wire up to

CBDR No. 12AWG

CBPW, CFTW, 6-32 combo head screw with

CBFTW, CFTPW, captivated traveling wire clamp

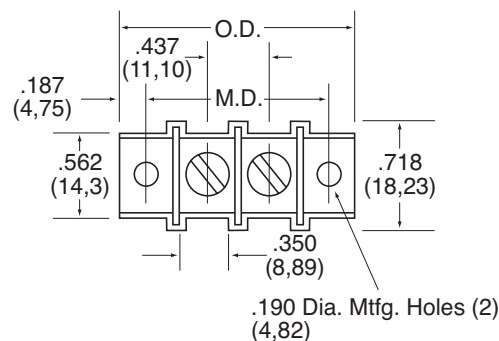
CFTQW, CFTDW,

CBDRW

* Other materials available – contact factory or your local representative for additional information.

| Number of Terminals | Series CB/CFT With Mounting Ends | | | | Without Mounting Ends | |
|---------------------|------------------------------------|-------------|-------------------------------------|-------------|----------------------------------|-------------|
| | Dimensions | | | | | |
| | A ± .031 Overall Dimensions (O.D.) | | B ± .031 Mounting Dimensions (M.D.) | | C ± .031 Less Mounting Positions | |
| | Inches | Metric (mm) | Inches | Metric (mm) | Inches | Metric (mm) |
| 1 | .750 | 19.05 | 1.062 | 26.98 | .437 | 11.11 |
| 2 | 1.125 | 28.57 | 1.437 | 36.51 | .812 | 20.63 |
| 3 | 1.500 | 38.10 | 1.812 | 46.03 | 1.187 | 30.16 |
| 4 | 1.875 | 47.62 | 2.187 | 55.56 | 1.562 | 39.68 |
| 5 | 2.250 | 57.15 | 2.562 | 65.08 | 1.937 | 49.21 |
| 6 | 2.625 | 66.67 | 2.937 | 74.61 | 2.312 | 58.73 |
| 7 | 3.000 | 76.20 | 3.312 | 84.13 | 2.687 | 68.26 |
| 8 | 3.375 | 85.72 | 3.687 | 93.66 | 3.062 | 77.78 |
| 9 | 3.750 | 95.25 | 4.062 | 103.18 | 3.437 | 87.31 |
| 10 | 4.125 | 104.77 | 4.437 | 112.71 | 3.812 | 96.83 |
| 11 | 4.500 | 114.30 | 4.812 | 122.23 | 4.187 | 106.36 |
| 12 | 4.875 | 123.82 | 5.187 | 131.76 | 4.562 | 115.88 |
| 13 | 5.250 | 133.35 | 5.562 | 141.28 | 4.937 | 125.41 |
| 14 | 5.625 | 142.87 | 5.937 | 150.81 | 5.312 | 134.93 |
| 15 | 6.000 | 152.40 | 6.312 | 160.33 | 5.687 | 144.46 |
| 16 | 6.375 | 161.92 | 6.687 | 169.86 | 6.062 | 153.98 |
| 17 | 6.750 | 171.45 | 7.062 | 179.38 | 6.437 | 163.51 |
| 18 | 7.125 | 180.97 | 7.437 | 188.91 | 6.812 | 173.03 |
| 19 | 7.500 | 190.50 | 7.812 | 198.43 | 7.187 | 182.56 |
| 20 | 7.875 | 200.02 | 8.187 | 207.96 | 7.562 | 192.08 |
| 21 | 8.250 | 209.55 | 8.562 | 217.48 | 7.937 | 201.61 |
| 22 | 8.625 | 219.07 | 8.937 | 227.01 | 8.312 | 211.13 |
| 23 | 9.000 | 228.60 | 9.312 | 236.53 | 8.687 | 220.66 |
| 24 | 9.375 | 238.12 | 9.687 | 246.06 | 9.062 | 230.18 |
| 25 | 9.750 | 247.65 | 10.062 | 255.58 | 9.437 | 239.71 |
| 26 | 10.125 | 257.17 | 10.437 | 265.11 | 9.812 | 249.23 |

Dimensions shown are ± 0.030"

Series CB/CFT Dimensions

How to Order

CFT Series terminal blocks are ordered by listing designation followed by the number of poles required for the application. Example: Type CFT 10-pole block becomes stock number CFT-10.

Suffixes are used as follows:

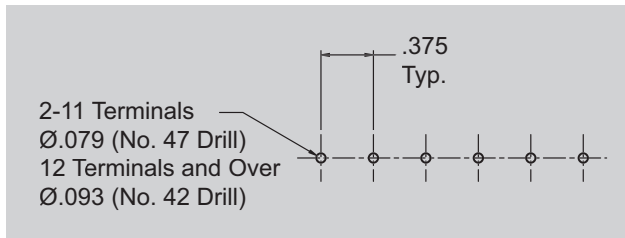
- W denotes model with wire clamp replacing external screw terminal
- C denotes model less mounting positions

To specify quick-connect terminals, simply add the style number required.

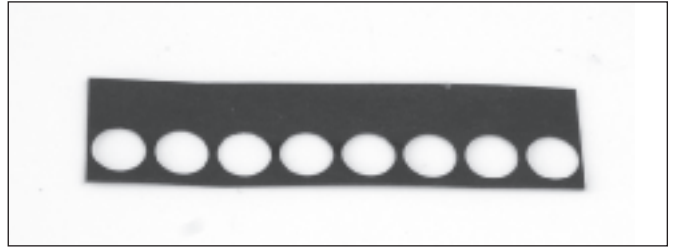
May be purchased factory-assembled or as customer-installed accessory.

The CFT-10 described above with wire clamp less mounting positions thus converts to stock number CFTWC-10.

PC BOARD DRILLING DIMENSIONS



Series CB/CFT Accessories



MARKING STRIPS

CB/CFT – Pre-punched black fiber . . . mounts under block. May be imprinted to customer specifications.

To order, specify: Part No. 278A10-1 thru 26 (with mounting hole); Part No. 278A36-1 thru 26 (less mounting hole).

COVERS

CB/CFT – Rigid .030" thick self-extinguishing vinyl. Black matte-finished on both sides. May double as marking strip when imprinted with white ink. Complete with spring clips for attaching to mounting positions.

Part No. 278B27-1 thru 26 terminals



TERMINAL BLOCK JUMPERS

CB/CFT – Jumper is constructed of plated brass. "Rooster comb" design permits connections of two to 10 poles.

To order, specify; Part No. 278-A11 (plus no. of poles)

Example: 278-A11-10, 10 Pole Jumper

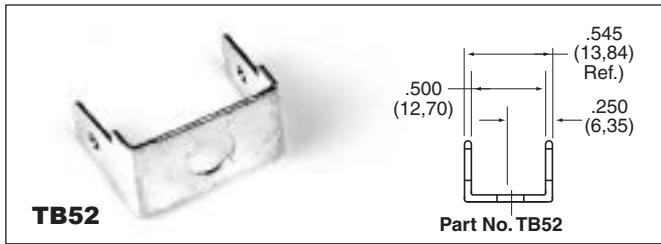
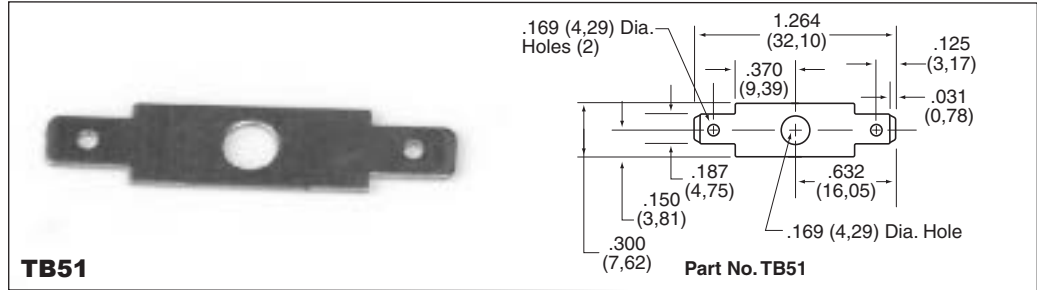
WIRE CLAMP

CB/CFT – Wire clamp captivated to No. 6-32 screw eliminates need for lugs. Accepts No. 14AWG wire. Part No. 58523700

Terminal blocks are normally supplied with No. 6-32 combo head screws. Other styles and materials on special order.

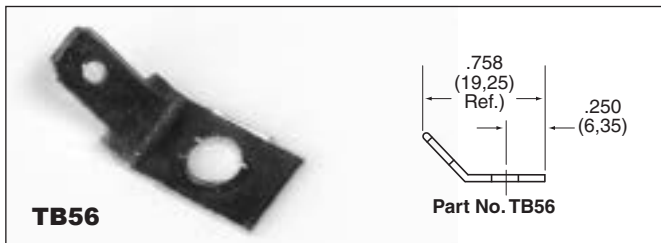
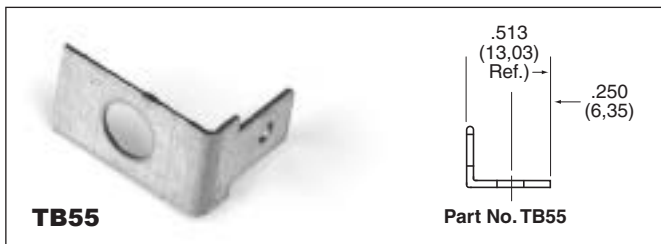
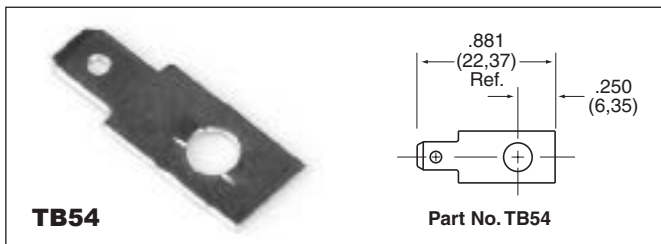
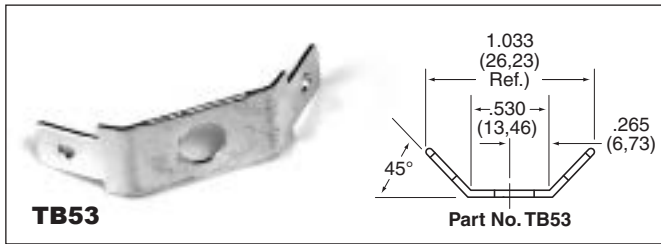
QUICK-CONNECT TERMINALS

CB/CFT – Available with .187" x .020" quick-connect tabs of tin-plated brass, held in place by terminal screws. Six styles . . . one to six terminations per pole. Factory-assembled or customer installed. Last digit of part number corresponds to previous style numbers.



TINNERMAN NUT

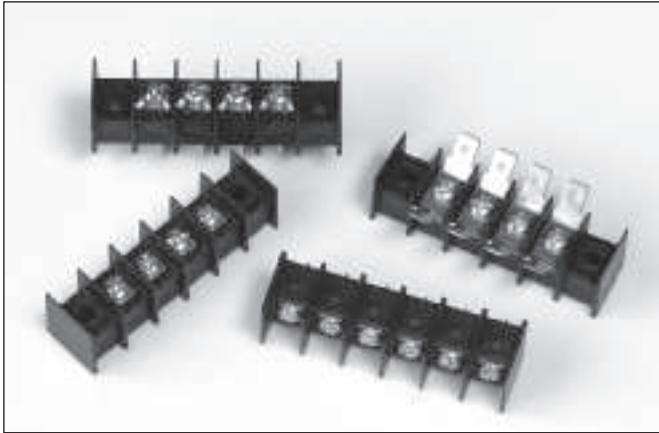
CFT – for speed mounting of terminal blocks less mounting position.
Part No. TN-375.



Single Row

BARRIER STYLE

Series 43000 .4375" (11.11mm) Center-to-Center Spacing



Features:

- Cost-competitive line of .4375" (11.11mm) centerline terminal blocks provides design engineers with multitude of selection choices: base mount and feed thru styles with P.C. pin, turret, quick connect, wire wrap and right angle.
- Available in up to 28 positions.
- Rated up to 30A, 600V
- Accepts very broad wire range from 22AWG to 12 AWG. Variety to top terminations including 6-32 and 8-32 screws, quick connects, wire clamps, jumpers, and covers.
- Unique Curtis contact design helps eliminate fracturing of solder joint due to pin twist.
- Plated brass inserts are standard on all Series 43000 terminal blocks. Standoffs molded into the blocks inhibit the trapping of solder flux – makes it easier to clean boards.
- All terminal blocks for electronic use are made from highly durable, self-extinguishing polypropylene material rated 94 V-0 by Underwriters Laboratories, Inc.
- Custom built terminal blocks for special applications are available. Contact any authorized Curtis distributor or representative, or call the factory direct.

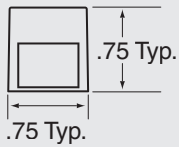
Single Row

UL® Recognized under the Components Program of Underwriters Laboratories, Inc. Standard 1059, Guide No. XCFR2, File No. E62557.

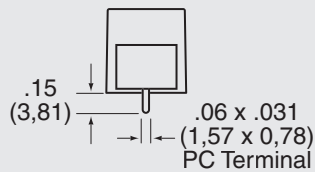
CSA® Guide No. 22.2 No. 158, Report No. LR39186-1.

Series 43000 Variations

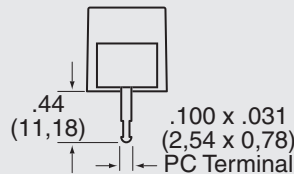
0 – Flush Mount



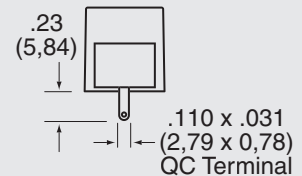
1 – Printed Circuit Pin



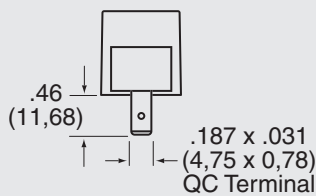
2 – Turret Type Solder Terminal



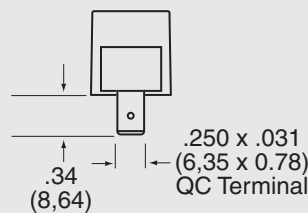
3 – Quick Connect .110"



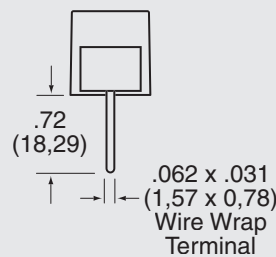
4 – Quick Connect .187"



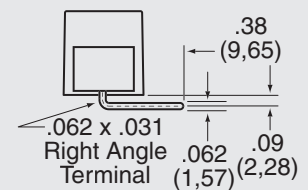
5 – Quick Connect .250"



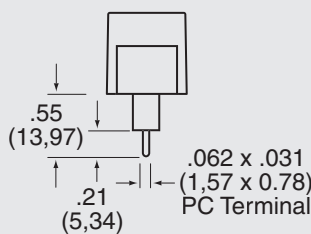
6 – Wire Wrap Pin



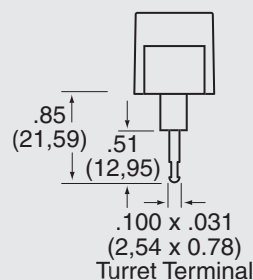
7 – Right Angle Printed Circuit Pin



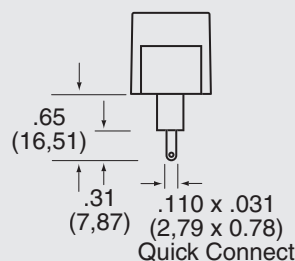
1 – Printed Circuit Pin



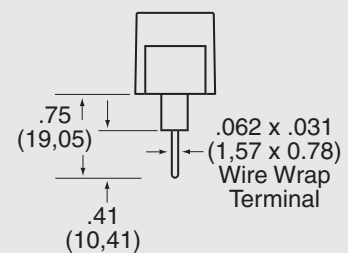
2 – Turret Type Solder Terminal



3 – Quick Connect .110"



6 – Wire Wrap Pin (extended pc pin)



BARRIER STYLE

Specifications:

Center-to-Center Spacing: .4375" (11.11mm)

Wire Range: No. 22AWG to 12AWG

No. of Terminals: 1 thru 26 (28 without mounting holes)

Voltage Rating: 600V

Tightening Torque: 9 in. lb.

Current Rating: 20 amps UL
(30 Amps with 10AWG & Lugs)

Housing:

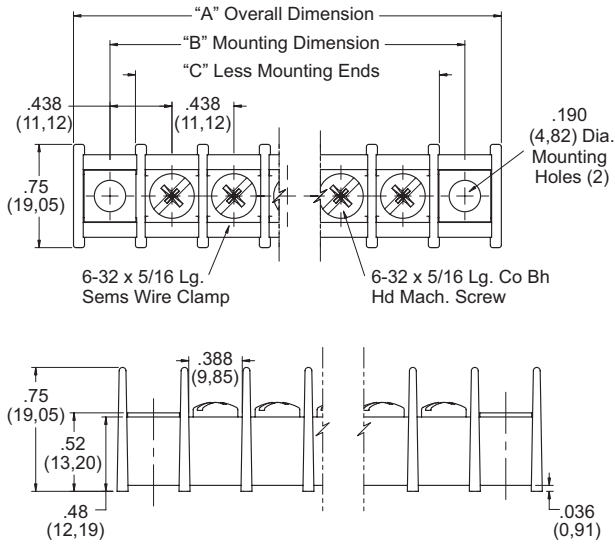
Material Polypropylene
 Continuous Use Temp. (UL Index) 105°C (221°F)
 Flammability Rating 94V-0
 Water Absorption (24 hrs. % wt. gain) .03%

Breakdown Voltage:

Terminal - Terminal 3000V
 Terminal - Ground 3000V

Terminals: Brass - Tin Plated

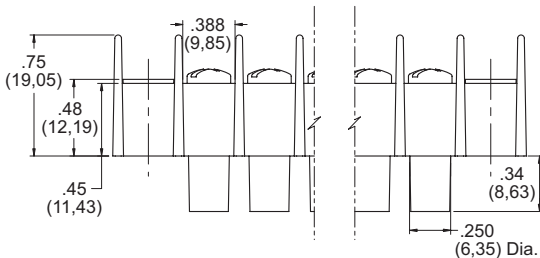
Series 43000 Surface Mount With Mounting Ends



| Number of Terminals | Series 43000 With Mounting Ends | | | | Without Mounting Ends | |
|---------------------|------------------------------------|-------------|-------------------------------------|-------------|----------------------------------|-------------|
| | Dimensions | | | | | |
| | A ± .031 Overall Dimensions (O.D.) | | B ± .031 Mounting Dimensions (M.D.) | | C ± .031 Less Mounting Positions | |
| | Inches | Metric (mm) | Inches | Metric (mm) | Inches | Metric (mm) |
| 1 | 1.375 | 34.93 | .875 | 22.23 | .500 | 12.70 |
| 2 | 1.813 | 46.05 | 1.313 | 33.35 | .938 | 23.83 |
| 3 | 2.250 | 57.15 | 1.750 | 44.45 | 1.375 | 34.93 |
| 4 | 2.688 | 68.28 | 2.188 | 55.58 | 1.813 | 46.05 |
| 5 | 3.125 | 79.38 | 2.625 | 66.68 | 2.250 | 57.15 |
| 6 | 3.563 | 90.50 | 3.063 | 77.80 | 2.688 | 68.28 |
| 7 | 4.000 | 101.60 | 3.500 | 88.90 | 3.125 | 79.38 |
| 8 | 4.438 | 112.73 | 3.938 | 100.03 | 3.563 | 90.50 |
| 9 | 4.875 | 123.83 | 4.375 | 111.13 | 4.000 | 101.60 |
| 10 | 5.313 | 134.95 | 4.813 | 122.25 | 4.438 | 112.73 |
| 11 | 5.750 | 146.05 | 5.250 | 133.35 | 4.875 | 123.83 |
| 12 | 6.188 | 157.18 | 5.688 | 144.48 | 5.313 | 134.95 |
| 13 | 6.625 | 168.28 | 6.125 | 155.58 | 5.750 | 146.05 |
| 14 | 7.063 | 179.40 | 6.563 | 166.70 | 6.188 | 157.18 |
| 15 | 7.500 | 190.50 | 7.000 | 177.80 | 6.625 | 168.28 |
| 16 | 7.938 | 201.63 | 7.438 | 188.93 | 7.063 | 179.40 |
| 17 | 8.375 | 212.73 | 7.875 | 200.03 | 7.500 | 190.50 |
| 18 | 8.813 | 223.85 | 8.313 | 211.15 | 7.938 | 201.63 |
| 19 | 9.250 | 235.00 | 8.750 | 222.25 | 8.375 | 212.73 |
| 20 | 9.688 | 246.08 | 9.188 | 233.38 | 8.813 | 223.85 |
| 21 | 10.125 | 257.18 | 9.625 | 244.48 | 9.250 | 234.95 |
| 22 | 10.563 | 268.30 | 10.063 | 255.60 | 9.688 | 246.08 |
| 23 | 11.000 | 279.4 | 10.500 | 266.70 | 10.125 | 257.18 |
| 24 | 11.438 | 290.53 | 10.938 | 277.83 | 10.563 | 268.30 |
| 25 | 11.875 | 301.63 | 11.375 | 288.93 | 11.000 | 279.40 |
| 26 | 12.313 | 312.75 | 11.813 | 300.05 | 11.438 | 290.53 |
| 27 | | | | | 11.875 | 301.63 |
| 28 | | | | | 12.313 | 312.75 |

Dimensions shown are ± 0.030"

43000 Feed-Thru Series



Dimensions are in inches and millimeters unless otherwise specified. Values in parentheses are metric equivalents.

Series 43000

How to Order

43 X X X X XX X

MOLDING DESIGN

- 0 = Surface Mount w/ Mounting Ends
- 1 = Surface Mount w/o Mounting Ends
- 2 = Insulated Feed Thru w/ Mounting Ends
- 3 = Insulated Feed Thru w/o Mounting Ends

INSERT OR BOTTOM TERMINATION DESIGN

- 0 = Surface Mount, No Bottom Termination
- 1 = Printed Circuit Pin
- 2 = Turret Type Solder Terminal
- 3 = Quick Connect .110"
- 4 = Quick Connect .187"
- 5 = Quick Connect .250"
- 6 = Extended Printed Circuit Pin or Wire Wrap
- 7 = Right Angle Printed Circuit Pin

Note: Option 4 & 5 Only Available on Surface Mount Style Molding

INSERT/SCREW DIMENSION

- 0 = 6-32 Insert and Screw
- 1 = 8-32 Insert and Screw, available on PC Pin, Turret Type Solder Pins, Wire Wrap and Right Angle Versions only

SPECIALS OR OPTIONAL DESIGNS

- 0 = None
- A-Z = Custom Configuration

NUMBER OF POSITIONS

Available 1 thru 26 W/Mounting End
1 thru 28 w/o Mounting Ends

HARDWARE OR TOP TERMINATION DESIGN

- 0 = Standard Zinc Plated Steel Screw, Combo Head
- 1 = Wire Clamp Screw
- 2 = Nickel Plated Brass Screw
- 3 = Stainless Steel Screw
- 5 = Without Screws
- 6 = Quick Connects, Screw Type*
- 8 = Captivated Screw

*See accessories

Single Row

BARRIER STYLE

Series 43000 Accessories

WIRE CLAMP

4300 – Wire clamp captivated to No. 6-32 or 8-32 screw eliminates need for lugs. Accepts up to No. 12AWG wire. May be ordered factory installed or loose.

MARKING STRIPS

4300 – Pre-punched black fiber . . . mounts under block. May be imprinted to customer specifications.
To order, specify: Part No. 267A19-1 thru 26 (with mounting hole); Part No. 267A218-1 thru 28 (less mounting hole).

COVERS

43000 – Rigid .030" thick self-extinguishing vinyl. Black matte-finished on both sides. May double as marking strip when imprinted with white ink. Complete with spring clips for attaching to mounting positions.

Part No. 0196__ 000, 1 thru 26 poles.

Example: 019605000 would be a 5 pole cover

TINNERMAN NUT

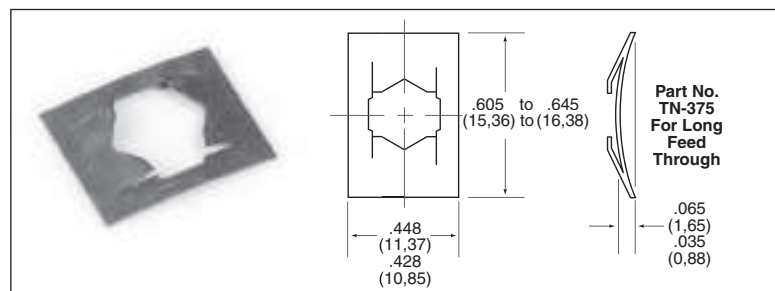
4300 – for special mounting of terminal blocks less mounting position.

Part No. TN-375.

TERMINAL BLOCK JUMPERS

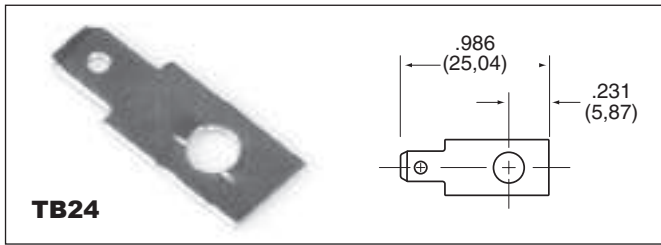
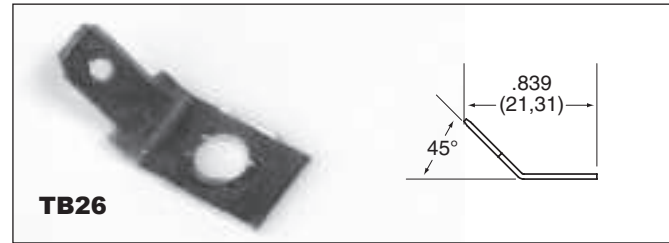
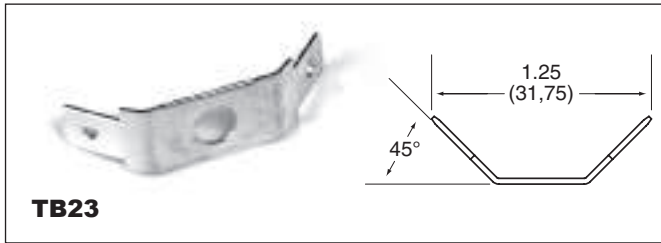
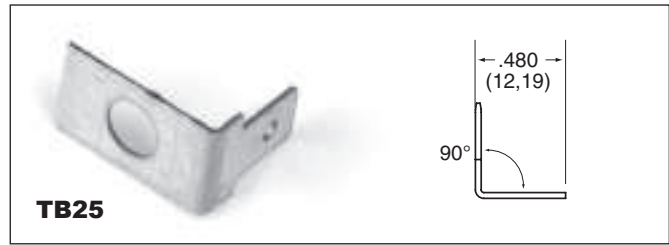
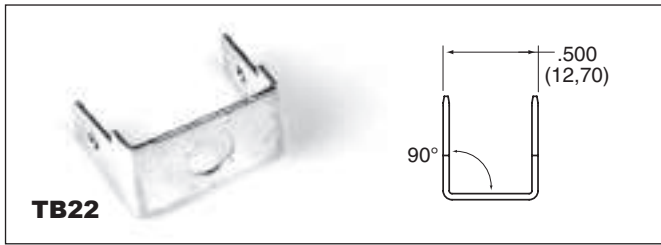
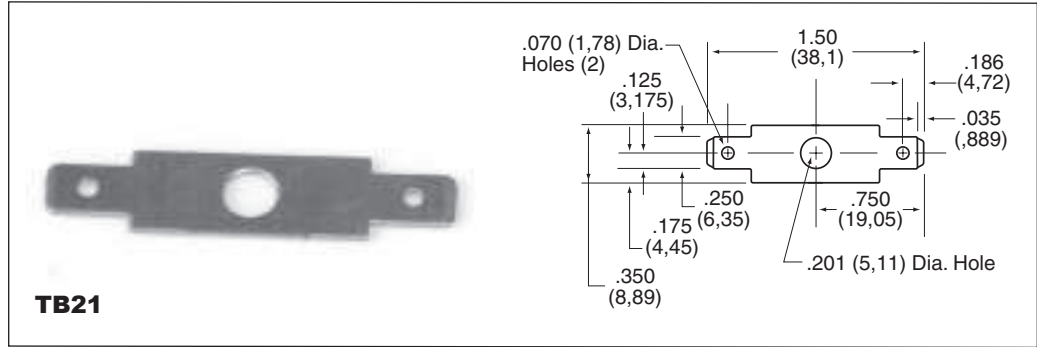
4300 – Plated brass "Rooster comb" design Type 267A42 permits connections of two to 18 poles.

To order, specify; Part No. 267A42-__ .



QUICK-CONNECT TERMINALS QUICK-CONNECT TERMINALS

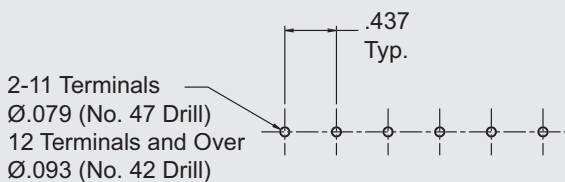
43000 – Available with .250" x .032" quick-connect tabs of tin-plated brass, held in place by terminal screws. Six styles . . . one to six terminations per pole. Factory-assembled or supplied bulk.



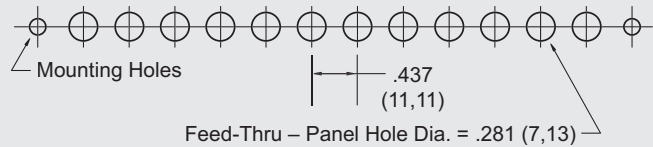
Single Row

BARRIER STYLE

PC BOARD DRILLING DIMENSIONS



RECOMMENDED PANEL CUTOUT DIMENSIONS

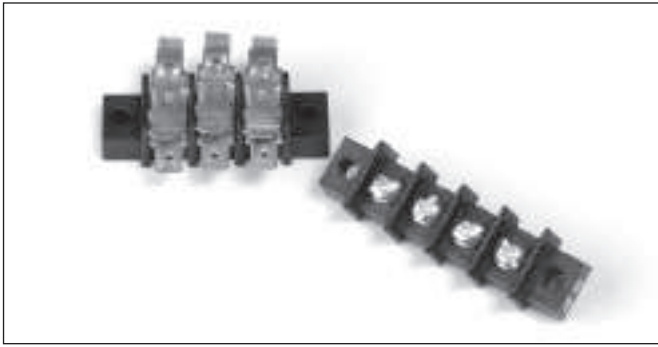
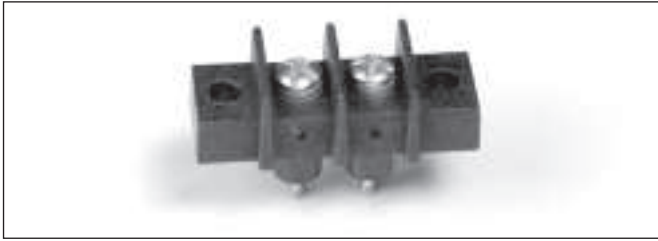


Dimensions are in inches and millimeters unless otherwise specified. Values in parentheses are metric equivalents.

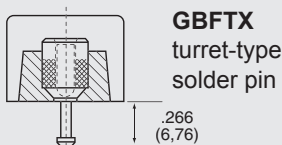
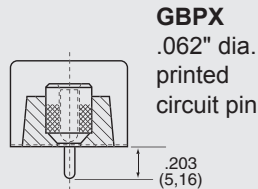
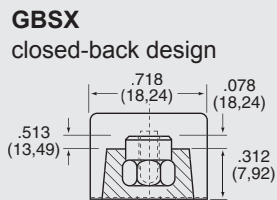
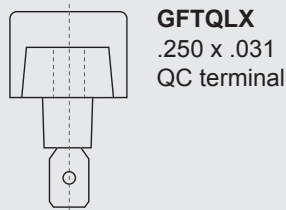
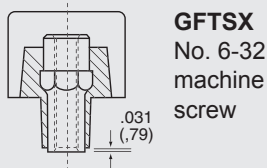
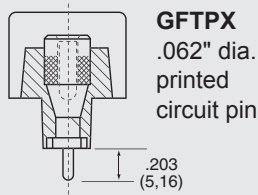
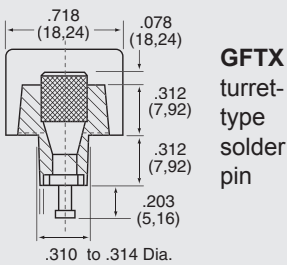
Series GFT/GB 7/16" (11.11mm) Center-to-Center Spacing

Single Row

BARRIER STYLE




Series GFT/GB Variations



Features:

- **Superior Construction** – All terminals are molded in place with precision screw machined brass inserts which will not twist, virtually eliminating broken solder joints while providing a full mechanical thread system.
- **Ideal for Sub-Chassis or Thru-Panel Application** – No costly insulation or mounting set-up since feed-thru insulators are an integral part of the moldings. Feature provides a full 1/4" terminal to ground clearance even thru 1/16" chassis.
- **Durable Base Material** – Made of black thermo-set phenolic, or high-impact, break-resistant thermoplastic
- **Electrical Rating** – 20A up to 600V
- **Compact Barrier-Type Design** – Especially suited for electronic and control applications
- **Feed-Thru, Printed Circuit or Surface Connection** – One thru 26 terminals on 7/16" center-to-center spacing
- **Broad Wire Range** – UL recognized for No. 22AWG to No. 12AWG, depending on type of external contact designated, with CSA requiring use of lugs on wire larger than No. 16AWG.
- **Terminal Flexibility** – External terminals available in two screw sizes with various internal terminal types
- **Recognition and Listing** – UL recognized and CSA certified

 Recognized under the Components Program of Underwriters Laboratories, Inc. Standard 1059, Guide No. XCFR2, File No. E62557.

 Guide No. 22.2 No. 158, Report No. LR39186-1.

INTERNAL TERMINAL DESIGNATIONS

- GFTP** Printed circuit board design with .062" dia. tin-plated brass turret-type solder pin
- GFT** Tin-plated brass turret-type solder pin
- GFTS** Unplated brass insert. No. 6-32 plated steel screw.
- GBS** Unplated brass insert. Closed-back design which can be mounted on metal surface with no additional insulation required.
- GBP** Printed circuit board design with .062" dia. tin plated brass pin.
- GBFT** Tin-plated brass turret-type solder pin.
- GFTQX** .250 x .031 tin-plated brass quick connect tab terminal.

EXTERNAL TERMINAL DESIGNATIONS

- GBFT, GBP,** Screw terminal with No. 6-32 plated steel*
- GBS, GFT, GFTP** Screw accepting up to No. 12AWG wire
- GBFTA, GBPA,** Screw terminal with No. 8-32 plated steel* screw accepting up to No. 12AWG wire
- GBSA, GFTA, GFTSA, GFTPA**

* Other materials available – contact factory or your local representative for additional information.